

file

DISCLOSURES

Law Department - Patent Section
Philip Morris Management Corp.
Privileged and Confidential

10 January 1992

2020110038

PM 1179

(NET) PROCESS FOR EXPANDING TOBACCO

F. V. Utsch
R&D

A method for expanding tobacco by subjecting the tobacco to an inert gas at a pressure of from 200 to 1000 PSIG, cooling the pressurized tobacco to a temperature below -30 degrees F then depressurizing and rapidly heating the tobacco to provide expansion of the tobacco.

Glenn

9-8-89 Reactivated per Friedman--additional data being prepared.
3-1-90 Follow-up inquiry to Friedman--Utsch will gather existing data and send it to us.
1-91 Utsch says info will be ready by end of March.
6-3-91 On hold pending receipt of additional data.
9-23-91 Status inquiry: *hold*--additional time needed to review data.

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2020110039

PM 1323 *FILED*

(Delta) SMOKING ARTICLE

J. M. Ehrman, C. H. Goldsmith, E. C. Grollmund, H. V. Lanzillotti, and A. C. Lilly
R&D

A smoking article that produces no visible sidestream smoke in which at least the carbon heat source and the tobacco flavor producing elements can be ejected from a reusable body of the smoking article.

Schardt/F&N/Panichi

7-13-88 Disclosure received (4 drawings handed to JES by Lanzillotti); faxed to F&N (WEB).
9-7-88 1st draft received--to inventors for review.
9-8-88 Draft sent to Goldsmith by Kennard for review.
11-7-88 Redraft received.
11-10-88 Meeting with Kennard to review application.
1-6-89 3rd draft received; handed to inventors for review.
6-26-89 Meeting with Kennard and Lanzillotti to finalize application.
10-25-89 Revised application received--forwarded to inventors for review.
11-5-90 Waiting for arrangements to be made for Goldsmith to sign.
1-29-91 Letter to C. Smith: signatures out of date--will have to start over--send new forms.
5-14-91 Application sent F&N for execution by Goldsmith.
7-15-91 Status inquiry sent to F&N.
11-13-91 Filed in PTO without signatures.

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2020110040

PM 1342

(Sigma/Delta - Rotary/Linear Table) APPARATUS FOR ASSEMBLING A MULTI-PART ARTICLE

R. H. Dickerson et al
Engineering

A multi-station apparatus that is used for the construction of non-combustion smoking articles which in a first embodiment may comprise two interacting rotary tables and in a second embodiment may comprise a single linear table.

Glenn/F&N/Pisano

11-10-88 Kennard here to see equipment.
11-15-88 Disclosure file opened; F&N preparing application.
12-29-88 Letter from Kennard: Brookman to schedule trip to Erie to see apparatus and meet with Dickerson and the Swanson-Erie people.
6-26-89 Kennard met with inventors to finalize application.
7-12-89 Drawings of generator tube station forwarded to Kennard.
8-3-89 Meeting with inventors and Kennard.
8-8-89 Additional drawings received and forwarded to Kennard.
5-9-90 1st draft received--to inventors for review.
6-18-90 Dickerson's comments received.
7-6-90 Meeting with inventors/Pisano to review draft.
9-11-90 Revised draft received--to inventors for review.
10-23-90 Meeting with inventors/Pisano to review draft.
11-27-90 Revised draft received.
12-14-90 Draft claims to inventors for review.
12-28-90 Dickerson's comments to Pisano.
2-5-91 2nd draft received.
2-20-91 DeBlasio's comments to Pisano.
5-30-91 Divided into two applications: 1342-A and 1342-B.
10-11-91 Decision made not to divide into 2 applications.
10-16-91 3rd draft sent to inventors.
1-9-92 On *HOLD* pending review by Engineering.

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2020110041

PM 1354

WATER OR ALCOHOL SOLUBLE INORGANIC POLYMERIC OXIDE GEL ADHESIVES FOR CIGARETTE
PAPER PREPARED VIA THE SOL-GEL PROCESS

A. G. Kallianos, K. R. Hansen, and A. C. Lilly
R&D

Schardt/F&N/Hintz

2-7-89 Disclosure file opened.
3-3-89 Disclosure to F&N for application preparation.
3-7-89 Letter from C. Smith: assigned to Hintz.
8-15-89 In-house search results forwarded to Hintz.
12-1-89 Memo from Friedman: trials successful--Kallianos needs to discuss with JES.
3-1-90 Follow-up inquiry to Kallianos.
5-30-90 Status inquiry from F&N.
7-3-90 PM 1364 combined herewith--F&N to proceed.
1-22-91 Status inquiry to C. Smith.
5-1-91 Additional data requested from Kallianos.
9-3-91 Reminder to Kallianos--still waiting for data.
9-23-91 Status inquiry: additional time required to obtain data.

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2020110042

PM 1355

(Project ART - Water Column) COUNTERCURRENT WATER ABSORBER FOR EXTRACTION OF NICOTINE FROM SUPERCRITICAL CARBON DIOXIDE

J. M. Dobbs and T. M. Howell
R&D

A process for extracting nicotine from tobacco using a supercritical solvent includes absorption of the nicotine from the supercritical solvent using substantially pure water.

See also PM 1267 and 1268

Glenn/F&N/Krasnow

2-7-89 Disclosure file opened.
3-3-89 Disclosure to F&N for application preparation.
8-16-89 In-house patent search results to Kearney.
11-2-89 Kearney discussed by phone with JES--to be discussed with Dobbs when he returns late November.
11-16-89 Meeting with Kearney and inventors to review disclosure.
2-7-90 References forwarded to Kearney--art close.
7-5-90 Additional information forwarded to Kearney.
9-11-90 Krasnow called to schedule meeting.
10-16-90 Letter to Krasnow transmitting memo to file re phone conference with Dobbs; Krasnow instructed to review the EP patent for PM 1267 CIP A with regard to this case; we want to proceed with application preparation.
10-25-90 Meeting with Krasnow/inventors.
12-3-90 1st draft received--to inventors for review.
3-6-91 Inventors still reviewing 1st draft.
9-23-91 Status inquiry: *on hold* until after 1st of year.

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2020110043

PM 1358

METHODS AND APPARATUS FOR OPTICALLY INSPECTING CYLINDRICAL PRODUCTS

D. A. Lowitz
R&D

Schardt/F&N/Jackson

10-11-88 Disclosure received--logged in as D456; acknowledgment sent.
11-11-88 R&D patent meeting: file.
11-21-88 Disclosure to F&N for search and evaluation.
2-21-89 1st draft received--to inventor for review.
3-7-89 Jackson met with Lowitz to review draft.
7-21-89 Letter to Jackson: put on hold--Lowitz doing additional work.
12-7-89 Memo from Friedman: work continues on analysis part of application.
3-1-90 Follow-up inquiry to Friedman--work still not completed on "interface" part of application. F&N instructed to put on *hold* until further notice.
10-17-90 Memo from Friedman: inactivate; letter to F&N: is there enough data to file on what we have?
10-26-90 Revised application received--to Lowitz for final review.
2-18-91 Status inquiry: Lowitz did not receive draft sent to him October 26--another copy given to him.
8-15-91 Status inquiry: Lowitz still reviewing.

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2020110044

PM 1362

METHOD OF APPLYING LARGE QUANTITIES OF MATERIAL TO TOBACCO FILLER WITHOUT
ADDING A SOLVENT

Susan E. Wrenn
R&D

Glenn/F&N/Gross/Radulescu

4-19-89 Disclosure file opened; disclosure to F&N for application preparation and search if necessary.
4-25-89 Letter from C. Smith: novelty search underway.
6-22-89 Meeting with Wrenn and Boyer to review disclosure.
6-23-89 Preliminary in-house search completed--forwarded to Boyer.
8-4-89 Checked with Wrenn--tests not ready yet--check again after Labor Day.
9-28-89 Memo to Wrenn: data available yet?
12-5-89 Letter from Boyer: on hold pending receipt of data.
7-2-90 On *hold* until tests can be scheduled.
3-6-91 Being reviewed by involved personnel to determine status.

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PM 1363

USE OF MONOALCOHOL ITACONATES AS FLAVOR RELEASE AGENTS

H. J. Grubbs and R. R. Izac
R&D

Schardt/Depaoli

4-19-89 Disclosure file opened combining D508, D509, and D510; disclosures forwarded to Depaoli for application preparation.
6-8-89 Patent Office search results received from Depaoli.
6-13-89 Search forwarded to inventors for review.
3-1-90 Follow-up inquiry to inventors.
2-18-91 Status inquiry: Grubbs reviewing file.

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2020110045

PM 1368

(Paper Technology) CONTROLLED BURN RATE CIGARETTE

R. W. Newsome, W. A. Geiszler, and Willie G. Houck
R&D

A. controlled burn rate cigarette comprising a paper wrapper with at least one calendered zone of reduced permeability.

See also PM 1498

Schardt/F&N/Hubbard

5-3-89 Disclosure file opened (was D527). Reviewed at April 18 R&D patent meeting--recommendation was to pursue patent coverage.
5-17-89 Inventors preparing samples and data.
8-17-89 Data still not ready.
9-14-89 Meeting with inventors and D. Shulman to review disclosure and data.
9-20-89 1st draft received--forwarded to inventors for review.
10-2-89 Additional data faxed to Meyer.
10-6-89 2nd draft received--faxed to inventors for review.
10-11-89 Ready to file--on *hold* pending approval from Fred Newman.
9-17-90 Reassigned to Hubbard.
11-15-90 Application to Long at Shook Hardy for review and approval.
5-15-91 Long's comments send to Hubbard.
9-23-91 Meeting with Radulescu/inventors--*on hold* pending availability of additional data.

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2020110046

PM 1390 (D474)

(Bonded Rods) FOAM ADHESIVE COMPOSITION

J. Lee Gregory III and Theodore E. Majewski
R&D

An adhesive foam solution having a short setting or curing time for adhering tobacco and other materials in the tip of a cigarette. The foams break down rapidly to allow early curing of the adhesive. In a specific embodiment, the invention comprises a solution of 4-5% sodium carboxymethyl cellulose (NaCMC) and .75-1.0% licorice mixed in water. Air is then added to this solution to produce a foam with an expansion ratio within the range from 6:1 to 10:1. A method of testing the relative breakdown times of different foam compositions is also disclosed.

See also PM 1391

Schardt/F&N/Godziela

8-31-89	PM file opened (was D474)--forwarded to F&N for application preparation.
3-2-90	Meeting with Godziela and inventors.
11-30-90	1st draft received--to inventors for review.
1-21-91	Status inquiry to Gregory re review of draft.
2-28-91	2nd status inquiry to Gregory.
5-29-91	3rd status inquiry to Gregory.
7-18-91	Status inquiry sent to Keen.
8-22-91	Keen advises that Gregory still reviewing draft.

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2020110047

PM 1391

(Bonded Ends) POLYDEXTROSE ADHESIVE COMPOSITION AND METHOD OF PREPARING THE SAME

Theodore E. Majewski
R&D

An adhesive foam solution having a short setting or curing time for adhering tobacco and other materials in the tip of a cigarette. The foams break down rapidly to allow early curing of the adhesive. In a specific embodiment, the invention comprises neutralized solutions of polydextrose and licorice mixed in water. Air is then added to this solution to produce a foam with an expansion ratio within the range from 6:1 to 10:1. A method of testing the relative breakdown times of different foam compositions is also disclosed.

See also PM 1390

Schardt/F&N/Godziela

8-31-89 PM file opened (was D551)--forwarded to F&N for application preparation.
3-2-90 Meeting with Godziela and Majewski.
11-30-90 1st draft received--to inventor for review.
1-16-91 Inventor's comments forwarded to Godziela; this case *on hold* until comments sent on PM 1390 since these cases are to be filed on the same day.

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PM 1394 (D560)

(Beta) SMOKING ARTICLE DESIGNED TO IMPROVE CONTROL OF THE HEAT AND TEMPERATURE PROVIDED TO EACH PUFF

F. V. Utsch, B. C. LaRoy, and A. C. Lilly
R&D

Glenn/F&N/Pisano

8-31-89 PM file opened (was D560)--forwarded to F&N for application preparation.
9-20-89 Letter from C. Smith: need drawings--request sent to Utsch.
11-30-89 Follow-up to Utsch.
5-31-90 Status inquiry to Utsch.
10-23-90 Drawings being prepared.
12-13-90 Checked status--draftsman's workload backed up.
3-6-91 Drawings should be completed in a week.
5-1-91 Drawings sent to F&N.
7-12-91 Assigned to deBlasi.
12-11-91 Reassigned to Nick Pisano.

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2020110048

PM 1397

(Paper Technology) NOVEL FILLERS FOR SMOKING ARTICLE WRAPPERS AND METHOD FOR MAKING SAME

Andrew G. Kallianos and Kathleen R. Hansen
R&D

Relates to compositions comprising magnesium carbonate compounds formed by a "sol-gel" process, which compounds, when used as fillers in the fabrication of smoking article wrappers, produce significantly reduced sidestream smoke.

Schardt/F&N/Morris

8-31-89	PM file opened (was D549)--forwarded to F&N for application preparation.
9-28-89	Letter from C. Smith: assigned to Yankwick.
1-11-90	Meeting with Kallianos and Yankwick.
11-20-90	Letter from Hintz to Kallianos requesting additional information.
2-18-91	Inventors in the process of drafting background sections for the application.
5-22-91	Additional information sent to Hintz.
6-6-91	Reassigned to Morris.
6-14-91	In-house search sent to Morris.
9-10-91	Status inquiry: draft being prepared.
10-11-91	1st draft sent to inventors for review.
12-10-91	File simultaneously with PM 1464, 1659, and 1660.

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2020110049

PM 1399A

SMOKING COMPOSITIONS CONTAINING AN OXALATE FLAVORANT-RELEASE ADDITIVE

W. Geoffrey Chan
R&D

In one embodiment this invention provides smoking compositions which contain a novel oxalate ester flavorant-release additive. Under cigarette smoking conditions, a combustible filler additive such as methyl 2-pyrazinyl-2-propanyl oxalate or di(2-pyrazinyl-2-propanyl) oxalate pyrolyzed and releases 2-isopropenylpyrazine flavorant as a volatile component of the cigarette smoke.

Schardt/Depaoli

11-21-89	Additional info requested from Depaoli.
7-20-90	Additional info forwarded to Depaoli.
9-27-90	1st draft received--to Chan for review.
1-22-91	Checked status--Chan still reviewing.
7-15-91	Status inquiry sent to Chan.
12-2-91	Chan's comments on 1st draft sent to Depaoli.
12-4-91	Revised application received--ready to execute.

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2020110050

PM 1405

METHODS FOR REMOVING NON-METALLIC CONTAMINANTS FROM A STREAM OF MANUFACTURE

D. L. Bilunas, B. C. Kiernan, B. A. Semp, and C. R. Shade
Engineering

This invention relates to methods for removing undesirable, non-metallic contaminants from a stream of manufacture, comprising treating the contaminants prior to their entry into the stream of manufacture by adding thereto a metallic substance, detecting the treated contaminants in the stream of manufacture with a metal detection means, and removing the detected contaminants from the stream of manufacture in response to such detection.

Schardt/F&N/Riesen

9-29-89 Engineering patent meeting--file.
11-17-89 Disclosure to F&N for application preparation.
11-27-89 Letter from C. Smith: assigned to Phil Riesen.
12-19-89 Additional info received.
2-15-90 Meeting with Kiernan/Shade/Riesen.
2-20-90 Additional info received--forwarded to Riesen.
6-7-90 Kiernan says may be used commercially soon--status inquiry to Riesen.
7-19-90 1st draft received--to inventors for review.
9-14-90 Discussed with Kiernan--they are in the process of reviewing the draft.
12-18-90 Status inquiry to Kiernan.
1-15-91 Inventors' comments on draft forwarded to Riesen.
3-7-91 Letter from C. Smith: Riesen plans to meet with inventors late April.
6-18-91 Information on commercial use sent to Riesen?
9-26-91 Conference call between Reisen/inventors.

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2020110051

PM 1407

TRAP DOOR CONVEYOR

R. McNulty
Engineering

Conveyor system which provides a number of drop off points for the product being transported.

Schardt/F&N/Krasnow

9-29-89 Engineering patent meeting--file.
11-17-89 Disclosure to F&N for application preparation.
12-1-89 Meeting with inventor and Butts to review disclosure.
12-7-89 Additional info received and forwarded to Butts.
6-14-90 Meeting with McNulty/Krasnow.
10-22-90 1st draft received--to inventor for review.
1-21-91 Status inquiry to McNulty.
4-1-91 2nd status inquiry to McNulty.
7-18-91 Status inquiry sent to Keen.
11-25-91 Status inquiry from F&N; memo to Keen suggesting review at next meeting or inactivate.

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PM 1409

(Bonded Rod) METHOD AND APPARATUS FOR TREATING CIGARETTES

David Golob
Engineering

Relates to a method and an apparatus for curing or collapsing foam binders or adhesives generally applied to cigarettes to bind tobacco shreds at the ends of the cigarettes.

Schardt/F&N/Riesen

9-29-89 Engineering patent meeting--file.
11-17-89 Disclosure to F&N for application preparation.
11-27-89 Letter from C. Smith: assigned to Phil Riesen.
2-15-90 Meeting with Riesen and Golob.
1-22-91 Status inquiry to C. Smith.
2-28-91 1st draft received--to inventor for review.
4-18-91 Inventor's comments sent to Riesen; Reisen plans to meet with inventor.
11-20-91 Status inquiry sent to F&N.
11-26-91 Memo to Golob: call Riesen to see what else is needed.

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2020110052

PM 1414 *FILED*

(Delta/Sigma) FRACTIONATED PLANT EXTRACTS USEFUL AS FLAVORANTS AND ENHANCERS THEREOF AND METHODS FOR PREPARING AND USING THE SAME.

Wynn R. Raymond and R. W. Hale
R&D

Relates to tobacco extracts fractionated to be essentially nicotine-free and to processes for making and using the same.

Schardt/F&N/Hall

12-12-89	Disclosure file opened--to F&N for application preparation.
1-10-90	Meeting with Karaffa and inventor.
3-29-90	In-house propr art search forwarded to Karaffa.
4-9-90	Inventor's comments on search forwarded to Karaffa.
6-15-90	Meeting with Bauman/Raymond.
7-27-90	Additional info forwarded to Bauman.
12-18-90	1st draft sent to inventor for review.
1-29-91	Inventor's comments sent to Bauman.
5-17-91	2nd draft received--to inventor for review.
8-9-91	Inventor's comments discussed by phone with Hall.
9-19-91	3rd draft sent to inventors for review.
10-8-91	Inventor's comments sent to Hall.
10-24-91	Revised application received--ready to execute--to inventors for final review.
11-7-91	Executed application sent to F&N for filing.

2020110053

PM 1415

(Cast Sheet) RECONSTITUTED TOBACCO SHEETS AND METHODS FOR PRODUCING AND USING THE SAME

G. Gellatly
R&D

Relates to reconstituted tobacco sheets having improved quality and survivability due to an optimization of a mean tobacco particle size and a reduction in the air content of the slurry prior to casting the slurry into tobacco sheets.

Glenn/F&N/McCabe

12-12-89	Disclosure file opened--to F&N for application preparation.
1-11-90	Meeting with Karaffa and Gellatly.
2-8-90	In-house search results forwarded to Karaffa.
2-22-90	Additional info forwarded to Karaffa.
6-15-90	Meeting with Bauman/Gellatly.
6-20-90	References to Gellatly for review; Bauman needs additional data and examples.
9-13-90	Checked status with Gellatly--he is working on examples.
10-16-90	Checked status again with Gellatly--promises info by 19th.
2-18-91	Status inquiry: Gellatly said references and examples provided.
4-18-91	1st draft received--to inventor for review.
7-25-91	2nd draft sent to inventor for review.
11-20-91	Reviewed draft with inventor; comments to F&N.

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2020110054

PM 1422

(NET) CONCENTRATED MICROWAVE ENERGY EXPANSION OF TOBACCO

R. A. Tamol
R&D

Glenn/F&N/Bergin

2-14-90 Disclosure file opened--to F&N for application preparation.
2-28-90 Additional info received--forwarded to F&N.
3-8-90 Assigned to Bergin.
5-14-90 Prior art received--forwarded to Tamol for review.
6-21-90 Addendum to search forwarded to Tamol.
8-29-90 Letter from Bergin suggesting meeting with inventor to review art.
11-13-90 Letter from Bergin clarifying that this application is on *hold* pending study of prior art in expansion area by us.
1-21-91 Prior art sent to F&N for patentability evaluation and quick filing if opinion favorable.
3-8-91 Bergin to consider drafting claims focused on concentrated microwave treatment of impregnated tobacco.
5-16-91 1st draft sent to Tamol for review.
9-23-91 Status inquiry: more time needed to review draft.
12-12-91 Status inquiry from F&N.

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PM 1423-A (D581)

(Beta) TEMPERATURE SENSOR TYPE FLOW MONITOR DEVICE IN A CIGARETTE

C. T. Higgins
R&D

Temperature sensor type flow meter (or true flow meter).

Glenn/F&N/Bergin

2-14-90 Disclosure file opened--to F&N for application preparation.
3-8-90 Assigned to Bergin.
8-29-90 Letter from Bergin requesting additional information.
9-14-90 Requested C. Higgins to call Bergin to discuss case.
10-17-90 Meeting with Bergin and Higgins.
11-15-90 Divided into A and B files.
1-29-91 Checked status with Bergin--he is working on draft.
9-11-91 Bergin ready to being draft.

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2020110055

PM 1423-B (D581)

(Beta) CAPACITOR/PIEZOELECTRIC TYPE FLOW MONITOR DEVICE IN A CIGARETTE

C. T. Higgins
R&D

Capacitor and piezoelectric type flow meter.

Glenn/F&N/Bergin

11-15-90 PM 1423 Divided into A and B files.
1-29-91 Checked status with Bergin--he is working on draft.
9-11-91 Bergin ready to being draft.

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PM 1424

(Filter Technology) PAPER FORMED FROM COMBINATION OF CA AND TREATED CELLULOSE FIBERS
FOR IMPROVED FILTER EFFICIENCY

Navin Gautam and Robert M. Rogers
R&D

See also PM 1503, 1527, D568, D584, D678

Glenn/F&N/Schoneman

2-14-90 Disclosure file opened.
1-28-91 Disclosure to F&N for application preparation.
3-4-91 D568 and D584 sent to F&N for consideration with this and related cases.
5-29-91 Memo to inventors requesting clarification of invention.
7-31-91 In-house search sent to F&N.
9-4-91 More information on treatment of cellulose needed to provide novelty.
11-4-91 Information requested from Rogers.

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2020110056

PM 1433

(Manufacturing/Cartier 20) APPARATUS FOR FORMING RADIUS CORNERS OF INNERFRAME FOR
ROUNDED CORNER CIGARETTE PACK

Donald E. Kennedy
Engineering

Relates to apparatus for forming innerframes for cigarette packs with rounded corners.

Schardt/F&N/Panichi

3-22-90	Patent review meeting: file.
4-5-90	Disclosure file opened.
4-17-90	Disclosure to F&N for application preparation.
8-1-90	Re-assigned to Panichi.
10-22-90	Meeting with Panichi/Kennedy.
10-25-90	Drawings forwarded to Panichi.
5-31-91	Panichi expects to have draft completed by mid-June.
9-6-91	Status inquiry: Panichi preparing draft.
10-28-91	1st draft received--to inventor for review.
11-15-91	Inventor's comments and photos sent to F&N.

2020110057

PM 1434 (D620) *FILED*

(Manufacturing) INNERFRAME FOR PACKING CIGARETTES OF VARIABLE DIAMETER IN A STANDARD WIDTH PACK

Jack R. Colgan, Howard H. Fishburne, Xuan M. Pham,
Engineering

Relates to an innerframe inserted into a cigarette box for securely retaining a bundle of cigarettes of smaller than standard size circumference in a standard size cigarette box.

See also D623

Schardt/F&N/Panichi

3-22-90	Patent review meeting: file.
4-5-90	Disclosure file opened.
4-17-90	Disclosure to F&N for application preparation.
4-30-90	Assigned to Solomon.
7-23-90	Ad-Pack and POL released 1st quarter 1988.
8-28-90	Letter from C. Smith: re-assigned to Panichi.
10-22-90	Meeting with Panichi/Pham.
10-25-90	Sample and drawing forwarded to Panichi.
5-31-91	Panichi expects to have draft completed by mid-June.
8-27-91	1st draft sent to inventors for review.
9-30-91	Inventors' comments sent to Panichi.
10-11-91	Revised application received--ready to execute.
12-3-91	Executed application sent to F&N for filing.

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2020110058

PM 1439

(Paper Technology) FILLER MIXTURE FOR CIGARETTE PAPER CONSISTING OF CaCO_3 PARTICLES COATED WITH SOL-GEL "MAG CARBONATE"

A. G. Kallianos
R&D

Schardt/F&N/Hintz

3-22-90 Patent review meeting: file.
4-5-90 Disclosure file opened--to F&N for application preparation.
11-20-90 Letter from Hintz to Kallianos requesting additional information.
3-6-91 Kallianos indicates another two months will be needed to evaluate new coating technology.
9-23-91 Status inquiry: additional time required to complete experimental work.

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PM 1441

(Paper Technology) TREATMENT OF $\text{Mg}(\text{OH})_2$ CONTAINING CIGARETTES OR CIGARETTE PAPERS TO OBTAIN PARTIAL CONVERSION OF $\text{Mg}(\text{OH})_2$ TO HYDROMAGNESITE, AND/OR MAGNESITE

J. Fournier and J. Seeman
R&D

See also PM 1494, 1444, 1466, and 1511

Glenn/F&N/Morris

3-22-90 Patent review meeting: file.
4-5-90 Disclosure file opened--to F&N for application preparation.
4-18-90 Assigned to Schneider; additional info requested.
4-26-90 Prior art and related PM disclosures forwarded to Schneider.
5-24-90 Meeting with Schneider/inventors.
10-2-90 Schneider instructed to put on *hold* for now--more work needs to be done by inventors.
2-13-91 Status inquiry - work still in progress.
7-11-91 Reassigned to Morris.
7-17-91 Status inquiry: Seeman advises information not yet ready.
11-12-91 Draft received and to Podraza.
12-10-91 Comments to F&N - file with 1397 and simultaneously w/1659 and 1660.
1-3-92 F&N still waiting for further disclosure materials.

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2020110059

PM 1445

MACHINE VISION CIGARETTE INSPECTION DEVICE

J. S. Osmalov
R&D

Relates to an apparatus and method for the inspection of cigarettes using a rolling drum and a rolling block to expose nearly 360 degrees of a cigarette for a machine vision system to view cigarettes at two positions.

See also PM 1470

Schardt/F&N/Krasnow

3-22-90 Patent review meeting: file.
4-5-90 Disclosure file opened--to F&N for application preparation.
4-17-90 Assigned to Brandt--search suggested.
5-11-90 Photos/sketches requested from Osmalov.
6-22-90 Photos/sketches forwarded to C. Smith.
7-25-90 Patentability opinion for related case PM 1470 to Osmalov.
11-14-90 Letter from C. Smith: assigned to Krasnow for review with PM 1470.
2-4-91 Meeting with Krasnow/Osmalov.
7-29-91 1st draft sent to Osmalov.
9-19-91 F&N instructed to *expedite*.
1-9-92 Checked status: per Osmalov C. Longest reviewing draft.

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2020110060

PM 1457 (D656)

(Sigma) METHOD FOR ORIENTING CYLINDRICAL COMPONENTS WITH ONE CAPPED END

Bill J. Keen
Engineering

Relates to a mechanism for orienting cylindrical components having one capped end and one open end comprising six drums which are aligned in a staggered formation.

See also PM 1506

Glenn/F&N/McCabe

5-17-90 Disclosure file opened--to F&N for application preparation.
6-6-90 Letter to C. Smith: conduct novelty search.
10-23-90 C. Smith called to say search complete and report being prepared; references forwarded to Keen by Bauman for review and comment.
11-16-90 Patentability study completed; should be possible to obtain claims of limited scope--Bauman will proceed with application preparation..
1-2-91 F&N instructed to proceed with application preparation.
3-19-91 Drawings requested from Keen.
4-3-91 Keen/McCabe discussed drawings--McCabe will have them done.
5-31-91 McCabe working on draft--expects to have it completed in near future.
11-20-91 Status inquiry sent to F&N.
12-2-91 McCabe expects to have draft ready by January 1.

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2020110061

PM 1458 *FILED*

(Sigma) METHOD AND APPARATUS FOR CUTTING, FORMING AND INSERTING CUPS INTO TUBES

Terry Babbitt, Mike Braunshteyn, A. J. Gillespie, Don H. Jones, Bill J. Keen, Robert H. Raynor, and Ray Ritt, and R. E. Talley
Engineering

Relates to a method and apparatus for cutting aluminum disks out of a continually advancing strip of aluminum, forming the disks into cups, and maneuvering and inserting the cups into the ends of tubes.

Glenn/F&N/Horowitz

5-17-90 Disclosure file opened--to F&N for application preparation.
6-29-90 Meeting with Isackson/inventors.
7-10-90 Additional information forwarded to F&N; F&N instructed to conduct novelty search.
9-17-90 Checked status with Isackson--he is waiting for search results.
10-17-90 Letter from C. Smith: search results should be in this week.
11-16-90 Novelty search completed; claims of reasonable scope should be allowed--Isackson will proceed with application preparation.
11-20-91 Status inquiry sent to F&N.
4-22-91 1st draft received--to inventors for review.
6-1-91 Reassigned to Horowitz.
8-1-91 Inventors' comments sent to Horowitz.
10-8-91 Revised application received--ready to execute.
11-12-91 Executed and sent to F&N for filing.

2020110062

PM 1461 *INACTIVE*

(NET) LOW PRESSURE/TEMPERATURE TOBACCO IMPREGNATION

Joe Dobbs and K. Cho
R&D

See also PM1639.

Glenn/F&N/McCabe

5-17-90 Disclosure file opened--to F&N for application preparation.
6-5-90 Meeting with inventors/Ingeman--additional info needed.
9-18-90 Letter from McCabe: research promised at 6/5 meeting completed yet?
11-13-90 Meeting with Ingeman/McCabe/inventors.
2-25-91 Meeting with McCabe/inventors.
3-8-91 Letter from C. Smith: additional research required to define operating conditions.
9-23-91 Status inquiry: additional time needed to complete additional research.
12-23-91 Inactivated in view of filing of PM 1522/1639.

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PM 1462 *INACTIVE*

(NET) CONTINUOUS IMPREGNATION AND EXPANSION PROCESSES FOR TOBACCO

K. H. Cho
R&D

Glenn/F&N/McCabe

5-17-90 Disclosure file opened--to F&N for application preparation.
6-5-90 Meeting with inventors/Ingeman--additional info needed.
9-18-90 Letter from McCabe: research promised at 6/5 meeting completed yet?
11-13-90 Meeting with Ingeman/McCabe/inventors.
2-25-91 Meeting with McCabe/inventors.
3-8-91 Letter from C. Smith: being reviewed re PM 1500--*low priority*.
12-23-91 Inactivated in view of filing of PM 1522/1639.

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2020110063

PM 1463 *INACTIVE*

(NET) SEMI-CONTINUOUS GASEOUS IMPREGNATION AND EXPANSION PROCESSES FOR TOBACCO

K. H. Cho and Joe Dobbs
R&D

Glenn/F&N/McCabe

5-17-90 Disclosure file opened--to F&N for application preparation.
6-5-90 Meeting with inventors/Ingerman.
9-18-90 Letter from McCabe: research promised at 6/5 meeting completed yet?
11-13-90 Meeting with Ingerman/McCabe/inventors.
1-24-91 Additional information sent to McCabe.
2-25-91 Meeting with McCabe/inventors.
3-8-91 Letter from C. Smith: draft application will be prepared.
9-5-91 Letter from McCabe: has this design been superceded by design of PM 1639?
12-23-91 Inactivated in view of filing of PM 1522/1639.

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PM 1465 (D649)

(FACT) ACID-CONTAINING FILTERS FOR IMPROVING AIR QUALITY

C. R. Hayward and J. O. Lephardt
R&D

Relates to filter materials which have been coated with an acid for use in indoor air quality control systems to remove cigarette gas phase components and other pollutants.

Glenn/F&N/Gross

5-17-90 Disclosure to F&N for application preparation.
2-1-91 1st draft received.
2-15-91 Meeting with inventors/Gross/Radulescu.
4-24-91 2nd draft received--to inventors for review.
5-2-91 In-house search results sent to Gross.
5-16-91 Inventors need additional time to review draft.
9-23-91 Status inquiry: additional time required to review draft.
10-24-91 Inventors' comments received.
11-22-91 Inventors' comments on draft sent to Gross.

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2020110064

PM 1468

(Beta) HEATING ELEMENT FOR AN ELECTRICALLY-HEATED SMOKING ARTICLE

Chuck Higgins, M. R. Hajaligol, Mike Watkins, B. E. Waymack, and S. Yi
R&D

Relates to a smoking article in which a flavor-generating medium, for example tobacco, is heated electrically to produce a flavor-containing aerosol.

Glenn/F&N/Bergin

5-17-90 Disclosure file opened--to F&N for application preparation.
6-20-90 Meeting with deBlasi/Higgins.
9-5-90 Higgins advises to proceed without further information--F&N will draft application and also claim smoking article w/flexible heater.
10-2-90 PM 1495 combined herewith; additional info forwarded to deBlasi.
3-11-91 Background search sent to deBlasi.
4-22-91 Status inquiry sent to deBlasi.
5-21-91 Letter from C. Smith: reassigned to Bergin with instructions to expedite.
8-29-91 1st draft received - to inventors for review.
9-13-91 2nd draft sent to inventors for review.
10-15-91 Inventors' comments sent to F&N.

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2020110065

PM 1470

HIGH SPEED ON-LINE 360° SURFACE DEFECT INSPECTION OF CIGARETTES

H. Longest
Engineering

See also PM 1445

Schardt/F&N/Mathews

5-17-90 Disclosure file opened--to F&N for application preparation.
6-14-90 Meeting with Krasnow/Longest.
6-28-90 Patentability opinion: meaningful coverage would be difficult.
7-25-90 Opinion to E. Richardson.
11-14-90 Letter from C. Smith: Krasnow to review with PM 1470.
1-9-91 Status inquiry from C. Smith.
2-4-91 Meeting with Krasnow/Longest; additional information needed.
5-9-91 Additional information requested from inventor.
6-12-91 Additional information sent to Krasnow.
7-2-91 Reassigned to John Mathews with instructions to expedite.
7-16-91 Meeting with Mathews/Longest.
9-19-91 F&N instructed to *expedite*.

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PM 1478 (D608)

(Sigma) SOL GEL ENCAPSULATION OF A CHEMICAL HEAT SOURCE

S. C. Deevi
R&D

Refers to encapsulating a chemical heat source with a sol-gel which protects the heat source from ambient conditions. The sol-gel is applied as a thin coating solely on the exterior of the heat source.

Schardt/F&N/Gross

6-12-90 Disclosure file opened. F&N proceeding with application based on favorable patentability opinion.
11-20-90 Meeting with Deevi/Boyer.
1-9-91 Status inquiry from Gross; informed her to proceed.
9-10-91 Status inquiry: Gross will work on this application when 1512 has been completed.

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2020110066

PM 1482

(Beta) ELECTRICAL FLAVOR GENERATOR AND METHOD FOR MAKING SAME

B. J. Keen and Grier Fleischauer
Engineering

Improved electrical heater for flavor generator which can heat a plurality of individual flavor beds individually without significantly affecting the neighboring flavor beds.

Glenn/F&N/Radulescu

6-29-90	Disclosure file opened--to F&N for application preparation.
8-21-90	Meeting with Schneider/inventors.
9-6-90	Heater array model forwarded to F&N.
3-14-91	1st draft received--to inventors for review.
4-10-91	Inventors' comments sent to Schneider.
4-19-91	Reassigned to deBlasi.
9-9-91	Reassigned to Radulescu.
10-1-91	2nd draft sent to inventors for review.
12-31-91	Revised application received--ready to execute.

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2020110067

PM 1494 (D690)

NOVEL MAGNESIUM FILLERS FOR SMOKING ARTICLE WRAPPERS AND METHOD FOR MAKING SAME

J. Fournier, A. Kallianos, J. Paine, K. F. Podraza, and J. Seeman
R&D

Relates to novel compounds which may be used as fillers for smoking article wrappers and a method for making them.

See also PM 1444, 1441, 1466, and 1511

Glenn/F&N/Morris

8-16-90	Disclosure file opened--to F&N for application preparation.
9-7-90	Related art forwarded to Wilson.
9-11-90	Reassigned to Schneider.
9-20-90	Meeting with Schneider/Podraza.
9-26-90	Data and examples forwarded to Schneider.
12-6-90	1st draft to inventors for review.
1-17-91	Checked status with inventors--still reviewing.
2-26-91	Inventors' comments sent to Schneider.
3-13-91	2nd draft received--to inventors for review.
4-1-91	Reassigned to Clay Wilson.
6-4-91	May be included in a CIP to to PM1444.
7-15-91	3rd draft sent to inventors for review.
8-22-91	Inventors' comments sent to Morris.
11-25-91	Revised application received--ready to execute.
12-10-91	Inventors' comments sent to Morris; this case to be filed simultaneously with PM 1397, 1659, and 1660.

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2020110068

PM 1500 - D693

(NET) HIGH PRESSURE VALVE

K. H. Cho
R&D

Glenn/F&N/McCabe

9-18-90 Disclosure file opened.
9-27-90 Disclosure to F&N for application preparation.
10-4-90 Assigned to Ingerman; novelty search instituted.
1-10-91 Search results received.
2-25-91 Meeting with McCabe/inventors.
3-8-91 Letter from C. Smith: waiting for copies of valve drawings and detailed description of valve operation.
5-16-91 In-house search results sent to McCabe/inventor for review.
6-10-91 Additional data sent to McCabe.
1-2-92 Under review--may not pursue in view of agreement with Securamax.

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PM 1501 (D694) *FILED*

(BETA) LOW MASS RADIAL ARRAY HEATER FOR FLAVOR GENERATING ARTICLE

F. M. Sprinkel and E. C. Grollimund
R&D

Relates to electric heating elements used to heat a flavor generating medium in a flavor generating article. Heating element is arranged in a radial array.

Glenn/F&N/Schoneman

9-18-90 Disclosure file opened.
9-27-90 Disclosure to F&N for application preparation.
11-13-90 Meeting with Ingerman/Schoneman/inventors.
2-28-91 1st draft received--to inventors for review.
4-8-91 Inventors' comments sent to F&N.
6-20-91 Additional information sent to Ingerman.
7-29-91 In-house search results sent to Ingerman.
9-4-91 2nd draft to inventors for review.
9-16-91 Inventors' comments sent to Ingerman.
11-27-91 Revised application received--ready to execute.
12-9-91 Executed documents to F&N.

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2020110069

PM 1502

(Paper Technology) USE OF VERY HIGH SURFACE AREA MAGNESIUM CARBONATE AS FILLER FOR LOW SIDESTREAM PAPERS

A. Kallianos and J. Paine
R&D

Glenn/F&N/Morris

9-18-90 Disclosure file opened.
9-27-90 Disclosure to F&N for application preparation.
6-4-91 May be included in CIP to PM 1444.
6-14-91 Search results sent to Morris.
1-8-92 Additional information requested.

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PM 1503

(Filter Technology) FILTER ROD MADE FROM WEB CONSTRUCTED FROM CUT CELLULOSE ACETATE FIBERS AND CELLULON

Navin Gautam, Ken Newman, and R. M. Rogers
R&D

See also PM 1424, 1527, D568, D584, D678

Glenn/F&N/Ingerman/Schoneman

9-18-90 Disclosure file opened.
9-27-90 Disclosure to F&N for application preparation.
11-13-90 Meeting with Ingerman/Schoneman/inventors.
1-29-91 Checked status with Ingerman: waiting for new data.
5-31-91 Additional information sent to Schoneman for consideration re inventorship.
7-31-91 In-house search results sent to F&N.
9-4-91 Letter from F&N: dependent claim could be added; additional information needed.
11-4-91 Information requested from Rogers.

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2020110070

PM 1504

PNEUMATIC CONVEYING OF FILTER RODS PERPENDICULAR TO THEIR AXIS

Gary Atwell, Drew Gillespie, Bill Keen, and George Reid
Engineering

Schardt/F&N/Krasnow

9-18-90 Disclosure file opened--to F&N for application preparation.
10-1-90 Letter from C. Smith: have Beverly do search.
1-23-91 Letter from Krasnow: waiting for search results.
5-1-91 Letter from Krasnow: waiting for search results.
5-10-91 In-house search sent to Krasnow.
5-31-91 Krasnow to begin working on draft in early June.
11-20-91 Status inquiry sent to F&N.
12-2-91 Draft in progress.

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PM 1505

VERTICAL DRUM TRANSFER OF CIGARETTES TO ALLOW FOR SEPARATE INSPECTION AND
REJECTION STATIONS

Gary Atwell and Drew Gillespie
Engineering

Schardt/F&N/Krasnow

9-18-90 Disclosure file opened--to F&N for application preparation.
10-1-90 Letter from C. Smith: have Beverly do search.
2-4-91 Meeting with Krasnow/Atwell.
9-19-91 F&N instructed to expedite.
9-27-91 Prior art to inventors for review--they will call Krasnow to discuss.
10-16-91 Atwell has discussed case with Krasnow.
1-3-92 1st draft to inventors for review.

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2020110071

PM 1506

(Cartier)

Bill Keen
Engineering

See also PM 1457

Schardt/F&N/Krasnow

9-18-90 Disclosure file opened--to F&N for application preparation.
10-1-90 Letter from C. Smith: have Beverly do search.
1-23-91 Letter from Krasnow: waiting for search results.
5-1-91 Letter from Krasnow: waiting for search results.
5-13-91 In-house search results sent to Krasnow.
5-31-91 Krasnow reviewed patentability and expects to have report completed in early June.
11-20-91 Status inquiry sent to F&N.
12-2-91 Krasnow plans to prepare patentability opinion and being drafting application as soon as possible.

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PM 1507

(Optical Inspection) HIGH SPEED, HIGH RESOLUTION WEB INSPECTION SYSTEM

Cary Longest, R. Moffitt, W. R. Sweeney
Engineering

Glenn/F&N/Ingerman/Schoneman

9-18-90 Disclosure file opened.
9-27-90 Disclosure to F&N for application preparation.
11-13-90 Meeting with Ingerman/Schoneman/inventors.
6-25-91 1st draft sent to inventors for review (Moffitt's comments received--waiting for other 2).
11-21-91 Status inquiry from F&N.
12-30-91 Inventors' comments and prior art sent to F&N.

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2020110072

PM 1508

(NET) METHOD FOR THE EXPANSION OF TOBACCO

Walt Nichols
R&D

Glenn/F&N/Ingerman/Schoeneman

9-18-90 Disclosure file opened.
9-27-90 Disclosure to F&N for application preparation.
11-13-90 Meeting with Ingerman/Nichols--draft in preparation.
6-21-91 Draft will be completed as soon as inventor comments on draft for PM 1510.

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PM 1509

(NET) METHOD FOR THE CONTINUOUS IMPREGNATION OF TOBACCO WITH A GAS OR LIQUID

Walt Nichols
R&D

Glenn/F&N/Ingerman/Chen

9-18-90 Disclosure file opened.
9-27-90 Disclosure to F&N for application preparation.
11-13-90 Meeting with Ingerman/Nichols--draft in preparation.
6-21-91 Draft will be completed as soon as inventor comments on draft for PM 1510.

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PM 1510

(NET) METHOD FOR THE EXPANSION OF TOBACCO

Walt Nichols
R&D

Glenn/F&N/Ingerman/Chen

9-18-90 Disclosure file opened.
9-27-90 Disclosure to F&N for application preparation.
11-13-90 Meeting with Ingerman/Nichols.
5-23-91 1st draft sent to inventor for review.

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2020110073

PM 1511 *FILED*

MAGNESITE-MAGNESIUM HYDROXIDE FILLERS FOR SMOKING ARTICLE WRAPPERS

J. A. Fournier, A. G. Kallianos, J. B. Paine, K. F. Podraza and J. I. Seeman
R&D

Novel fillers for smoking article wrappers comprising magnesite-magnesium hydroxide complexes. Smoking articles employing wrappers containing the fillers of the invention exhibit significantly reduced sidestream smoke.

See also PM 1441, 1444, 1466, and 1494

Glenn/F&N/Wilson

9-24-90	Disclosure file opened.
10-3-90	Disclosure to F&N for application preparation.
10-5-90	Experimental data forwarded to Schneider.
12-5-90	1st draft to inventors for review.
1-17-91	Checked status with inventors--still reviewing draft.
3-6-91	Fournier indicates another two months needed to obtain the data needed for the application.
5-23-91	Inventors comments on draft forwarded to Wilson.
6-21-91	Revised application received.
7-29-91	Inventors' comments sent to Morris.
9-9-91	2nd draft sent to inventors for review.
9-23-91	Inventors' comments sent to F&N.
10-1-91	3rd draft received.
10-8-91	4th draft received.
10-21-91	Inventors' comments on draft and references and examples sent to F&N.
11-19-91	Executed application sent to F&N for filing simultaneously with PM 1494.

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2020110074

PM 1512

(Delta) IMPROVED CARBONACEOUS HEAT SOURCE

D. M. Schleich (Polytechnic University)
R&D

This invention relates to an improved carbonaceous heat source and to the conversion of gaseous by-products, such as carbon monoxide, produced by the combustion of the carbonaceous heat source.

Schardt/F&N/Loring/Gross

- 9-26-90 Disclosure file opened--file immediately per Lilly; assigned to F&N who will contact Schleich direct to get data--**HIGH PRIORITY**.
- 11-30-90 Additional information forwarded to Loring.
- 1-31-91 Draft application sent to Schleich for review.
- 9-10-91 Status inquiry: Deevi reviewing draft application.

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PM 1513 (D677)

PINLESS BELT FEEDER

B. Eugene Bailey and W. Randy Sweeney
Engineering

Device for volumetric flow control of particulate and fiber-like materials. Particularly useful for transporting high moisture, finely sliced tobacco between storage and processing.

Glenn/F&N/Wilson

- 10-27-90 Patentability evaluation completed--F&N to proceed with application preparation.
- 11-27-90 Wilson discussed by phone with inventors/JES.
- 2-27-91 Wilson instructed to proceed with application.
- 7-2-91 Meeting with Wilson/inventors.
- 9-19-91 2nd draft sent to inventors for review.
- 10-28-91 Inventor's comments sent to F&N.
- 12-30-91 Revised application received--ready to execute.

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2020110075

PM 1517 (D712, D771)

(Beta) METHOD AND APPARATUS TO PRODUCE AEROSOLS FROM LIQUIDS

F. M. Sprinkel
R&D

The production of aerosols from discrete, preseparated amounts of liquid(s) is disclosed. The preseparated packets of liquid can be packaged into definite sets for production of puffs of aerosol.

Glenn/F&N/Miraglia

11-13-90 Disclosure file opened--to F&N for application preparation.
12-10-90 Assigned to Loretta Miraglia.
1-14-91 Miraglia called to request additional info.
1-25-91 Additional info in the form of D771 disclosure sent to F&N.
4-9-91 PM 1554 combined herewith.
4-18-91 Additional information and comments on draft sent to Miraglia.
7-23-91 In-house search results sent to Miraglia.
7-25-91 Inventor's comments on 1st draft sent to Miraglia.
12-12-91 Status inquiry from Miraglia re additional disclosure.
1-7-91 D895 combined herewith.
1-9-92 Additional information sent to Ingerman.

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PM 1519

(Ripper System Development) MULTIPLE RIPPER CLOSED LOOP RECIRCULATING AIR ARRANGEMENT

Everett Patterson
Engineering

Schardt/F&N/Horowitz

11-13-90 Disclosure file opened--to F&N for application preparation.
2-21-91 Meeting with Brook/Patterson.
2-26-91 Prior art search results sent to Brook.
8-7-91 Meeting with Horowitz/Patterson.
9-5-91 Reminder to Patterson--waiting for drawings.
9-25-91 Drawings sent to Horowitz.

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2020110076

PM 1520 (D722)

APPARATUS TO APPLY CHARCOAL PARTICLES INTO A CAVITY BETWEEN TWO FILTER SEGMENTS
AT HIGH SPEED

C. G. Atwell, M. D. Belcastro, J. F. Budjinski, M. T. Garthaffner

Glenn/F&N/Wilson

1-7-91 Separated back out from PM 1534.

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PM 1521

(Tomorrow) DUAL PAPER LAYER TECHNOLOGY FOR CONTROL OF BURN PROPENSITY

Al Collins, Bill Keen, George Reid, Ray Ritt, Bill Stevens, Pete Talley, and Howard Vogt
Engineering

Glenn/F&N/Miraglia

11-13-90 Disclosure file opened--to F&N for application preparation--**HIGH PRIORITY**.
1-28-91 Letter from Hubbard: novelty search underway.
3-19-91 In-house search results sent to Hubbard.
9-25-91 Miraglia to call Vogt for additional information.
12-12-91 Miraglia to contact Vogt for more detailed description of the invention and additional data.
12-27-91 Miraglia will contact Vogt or Keen.

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2020110077

PM 1526 *FILED*

(Cartier) ROUNDED END CIGARETTE BOX

D. H. Evers
Engineering

Relates to a rounded end hinged top cigarette box and a blank for forming the same. The cigarette box includes an inner and outer sleeve and inner and outer oval-shaped end flaps on both ends.

Glenn/F&N/Cassingham

12-1-90	Disclosure to F&N for search and evaluation.
1-18-91	Additional info sent to F&N.
1-30-91	Infringement opinion from F&N: would not infringe.
3-15-91	Cassingham instructed to proceed with patentability search.
7-22-91	Favorable patentability opinion--F&N will proceed with application preparation.
9-19-91	1st draft sent to Evers for review.
10-1-91	Evers' comments received.
11-5-91	Pham's comments received.
11-11-91	Comments to F&N.
12-2-91	Executed documents to F&N.

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2020110078

PM 1527

(Filter Technology) CIGARETTE FILTER PAPER WEB PRODUCT

N. Gautam, R. Rogers, and D. Simpson
R&D

Sheet of paper that combines cut cellulose acetate and/or partially acetylated cellulose and/or cellulose plus a new material--partially acetylated high surface area cellulose.

Related to PM 1424, 1503, D568, D584, D678

Glenn/F&N/Schoneman

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened.
1-28-91	Disclosure to F&N for application preparation.
5-29-91	Memo to inventors requesting clarification of invention and possible inclusion of D678 herein.
7-31-91	In-house search sent to F&N.
9-4-91	Letter from F&N: D-678 could be combined; additional information needed.
11-4-91	Information requested from Rogers.

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2020110079

PM 1529 (D733)

(Beta) PROCESS FOR PRODUCING A HEATER WITH DISCRETE HEATING ZONES ON PAPER

S. C. Deevi and D. Kellogg
R&D

Provides a method for fabricating a heater on a paper substrate for use as part of a smoking device.

See also D687, PM 1569, PM 1613

Glenn/F&N/Matthews

12-13-90 Patent review meeting: file.
1-17-91 Disclosure to F&N for application preparation: *HIGH PRIORITY*
2-6-91 Meeting with Matthews/Deevi.
3-4-91 D687 to F&N for possible inclusion in this case.
4-18-91 Background art forwarded to Matthews.
6-7-91 1st draft sent to inventors for review.

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PM 1530 (D734)

(Paper Technology) PREPARATION OF NOVEL COMPOSITIONS FOR USE AS FILLER FOR CIGARETTE PAPERS

G. H. Bokelman, J. Fournier, A. Kallianos, J. Paine, K. Podraza, J. Seeman
R&D

Preparation of novel compositions for use as filler for cigarette papers, which comprise calcium carbonate, coprecipitated with magnesium hydroxide, magnesium carbonates and/or basic magnesium carbonates. Since all of the products of the reaction are insoluble, only minimal washing of the precipitate is required afterward, thereby minimizing processing costs and solubility losses.

Glenn/F&N/Hintz

12-13-90 Patent review meeting: file.
1-17-91 Disclosure to F&N for application preparation.
2-6-91 Outside search initiated by Nix.
5-3-91 Search results received--sent to inventors for review.
5-10-91 Put on *hold*--inventors working on additional data--expected to be ready in three months or so.
9-23-91 Status inquiry: additional time needed to gather data.

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2020140080

PM 1532 (D737)

(Project Tomorrow) BANDED PAPER WRAPPER FOR CONTROLLING IGNITION PROPENSITIES OF SMOKING ARTICLES

E. B. Sanders
R&D

Wrapper construction using conventional materials and with slowing the manufacturing speed for smoking articles in which the ignition propensity of the smoking article is controlled without affecting the desirable properties of the smoking article.

Glenn/F&N/Panichi

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
1-23-91	Assigned to Panichi.
3-19-91	Prior art sent to F&N.
9-6-91	Status inquiry: C. Smith reports that application in preparation.
9-26-91	1st draft received.
10-7-91	1st draft sent to Sanders for review.
11-13-91	2nd draft sent to Sanders for review.

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2020110081

PM 1533 (D738)

(Project Tomorrow) WRAPPER WITH BL SHEET BANDS FOR CONTROLLING IGNITION PROPENSITIES
OF SMOKING ARTICLES

E. B. Sanders
R&D

Wrapper construction using conventional materials and with slowing the manufacturing speed for smoking articles in which the ignition propensity of the smoking article is controlled without affecting the desirable properties of the smoking article and in which the subjective properties of the article are improved.

Glenn/F&N/Panichi

12-13-90	Patent review meeting: file.
1-17-91	Disclosure to F&N for application preparation.
1-23-91	Assigned to Panichi.
3-19-91	Prior art sent to F&N.
9-6-91	Status inquiry: C. Smith reports that application in preparation.
9-26-91	1st draft received.
10-7-91	1st draft sent to Sanders for review.
11-13-91	2nd draft sent to Sanders for review.
12-31-91	Sanders' comments sent to Panichi.

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2020110082

PM 1534 (D742, D793)

(D. H. Max) DEVICE FOR HIGH SPEED DELIVERY OF PARTICULATE MATERIAL

C. G. Atwell, J. F. Budjinski, M. T. Garthaffner
Engineering

Relates to a device having wheels which provide position and drive for a belt or belts conveying apertures for channelling particulate material. Particularly useful for inserting charcoal into cigarette filters in the manufacture of cigarettes.

Glenn/F&N/Wilson

12-13-90 Patent review meeting: file.
1-7-91 Disclosure file opened--to F&N for application preparation.
1-25-91 Letter from Wilson: waiting for drawings from Atwell.
2-25-91 PM 1520 combined herewith.
3-25-91 1st draft received--to inventors for review.
7-2-91 Meeting with Wilson/inventors.
9-19-91 2nd draft to inventors for review.
10-31-91 F&N sent relevant prior art.
12-4-91 PM 1563 combined herewith.
12-6-91 Atwell's comments sent to Wilson.
1-7-92 PM 1520 separated back out.

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2020110083

PM 1535 (D743)

(D. H. Max) ALIGNMENT OF FILTER AND CIGARETTE COMPONENTS

M. T. Garthaffner and R. Honaker
Engineering

Method and apparatus for alignment of filter components to product charcoal filter cigarettes without combining machine. Keeps the gap between the cigarette and filter components to 5mm or less which is needed to assemble final product; especially when components are short.

Glenn/F&N/Brook

12-13-90 Patent review meeting: file.
1-17-91 Disclosure to F&N for application preparation.
2-21-91 Meeting with Brook/Garthaffner/Honaker.
5-29-91 Meeting with inventors/Brook.
7-3-91 Status inquiry: Brooks expects to have draft done by mid-August.

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PM 1537 (D746)

(Delta/Sigma) PAPER WEB SLITTER

M. T. Garthaffner
Engineering

Allows tipping paper web to be slit cleanly immediately prior to application to cigarette components. This allows precise alignment to cigarette components with a clean edge that will be inserted in smoker's mouth. Thus end product is not visually and orally objectionable.

Glenn/F&N/Shulman

12-13-90 Patent review meeting: file.
1-17-91 Disclosure to F&N for application preparation.
1-23-91 Assigned to Doreen Shulman--novelty search initiated.
3-7-91 Letter from C. Smith: novelty search report in hand--Panichi considering prior art.

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2020110084

PM 1539 (D748, D749)

(Project Tomorrow) STRIP APPLICATION

A. L. Collins, B. J. Keen, G. B. Reid, R. R. Ritt, W. H. Stevens, H. W. Vogt
Engineering

Allows for placement of cut strips or patches of paper in an alternating pattern onto a continuously moving web of paper, during the manufacture of cigarettes.

Schardt/F&N/Ingerman/Hintz

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened--to F&N for application preparation.
1-30-91	Meeting with Ingerman/Vogt.
2-26-91	1st draft sent to inventors for review.
5-22-91	Letter from C. Smith: Ingerman preparing revised draft applications based on comments from Gary Long of Shook Hardy.
8-14-91	Inventors' comments on draft sent to Ingerman.
9-10-91	2nd draft sent to Vogt for review.
11-5-01	Draft approved.
12-5-91	Revised application received--ready to execute.
1-6-92	Application sent to Keen for signature by inventors.

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2020110085

PM 1540 (D750, D751, D752)

(Project Tomorrow) SAPPARATUS AND METHOD FOR LAMINATING PATCHES OF A FIRST WEB MATERIAL ONTO A SECOND WEB MATERIAL

A. L. Collins, B. J. Keen, G. B. Reid, R. R. Ritt, W. H. Stevens, H. W. Vogt
Engineering

Apparatus and a method for laminating patches to a base web accurately, and as efficiently as possible, are provided. A web of patch material and the base web are advanced together in parallel, and patches are removed from the web of patch material and transferred to the base web. The method and apparatus are useful in producing banded cigarette paper.

Schardt/F&N/Ingerman/Hintz

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened--to F&N for application preparation.
1-30-91	Meeting with Ingerman/Vogt.
2-13-91	1st draft sent to inventors for review.
5-22-91	Letter from C. Smith: Ingerman preparing revised draft applications based on comments from Gary Long of Shook Hardy.
7-18-91	Status inquiry sent to Keen.
8-14-91	Inventors' comments on draft sent to Ingerman.
9-10-91	2nd draft sent to Vogt for review.
11-5-91	Draft approved.
12-5-91	Revised application received--ready to execute.
1-6-92	Application sent to Keen for signature by inventors.

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2020110086

PM 1541

(Project Tomorrow) APPARATUS AND METHOD FOR LAMINATING STRIPS OF A FIRST WEB MATERIAL ONTO A SECOND WEB MATERIAL

A. L. Collins, B. J. Keen, G. B. Reid, R. R. Ritt, W. H. Stevens, H. W. Vogt
Engineering

Apparatus and a method for laminating strips of a first web material onto a second web material are provided. Strips of the first web material are carried across the second web material by single or multiple loom-type shuttles from single or multiple reels.

Schardt/F&N/Ingerman/Hintz

12-13-90	Patent review meeting: file.
1-7-91	Disclosure file opened--to F&N for application preparation.
1-30-91	Meeting with Ingerman/Vogt.
2-12-91	First draft sent to inventors for review.
5-22-91	Letter from C. Smith: Ingerman preparing revised draft applications based on comments from Gary Long of Shook Hardy.
7-18-91	Status inquiry sent to Keen.
8-14-91	Inventors' comments on draft sent to Ingerman.
9-10-91	2nd draft sent to Vogt for review.
11-5-01	Draft approved.
12-5-91	Revised application received--ready to execute.
1-6-92	Application sent to Keen for signature by inventors.

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2020110087

PM 1542 (D755)

(Project Tomorrow) SMOKING ARTICLE WRAPPER AND APPARATUS AND METHOD FOR MAKING SAME

A. L. Collins, B. J. Keen, G. B. Reid, R. R. Ritt, W. H. Stevens, H. W. Vogt
Engineering

Relates to cigarette wrappers which modify the burn rate of the cigarette and to an apparatus and method for efficiently producing such wrappers in commercial quantities.

Schardt/F&N/Radulescu

12-13-90 Patent review meeting: file.
1-7-91 Disclosure file opened--to F&N for application preparation.
4-24-91 1st draft received--to inventors for review.
7-18-91 Status inquiry sent to Keen.
8-14-91 Inventors' comments on draft sent to Ingerman.
11-26-91 2nd draft sent to Vogt for review.
12-6-91 Vogt's comments sent to Radulescu.

PM 1543

(Project Tomorrow) CAPILLARY ROLLER SLURRY APPLICATION METHOD

B. J. Keen, R. R. Ritt, W. H. Stevens, and H. W. Vogt
Engineering

Simple application method of putting a material on a moving web.

Schardt/F&N/Krasnow

12-13-90 Patent review meeting: file.
1-7-91 Disclosure file opened--to F&N for application preparation.
1-18-91 Assigned to Krasnow.
3-19-91 Prior art sent to Krasnow.

2020110088

PM 1544

(Beta - Disposable Heater) REINFORCED TUBULAR BLADE HEATER FOR FLAVOR GENERATING ARTICLE

B. J. Keen, G. S. Fleischhauer, S. Deevi
Engineering

Relates to electric heating elements arranged in a tubular array used to heat a flavor generating medium in a flavor generating article.

Glenn/F&N/Ingerman

12-13-90 Patent review meeting: file.
1-30-91 Meeting with Ingerman/inventors.
4-3-91 1st draft received--to inventors for review.
7-8-91 Inventors' comments sent to Ingerman.
8-12-91 2nd draft sent to inventors for review.
9-6-91 Inventors' comments sent to F&N - Deevi added as inventor.

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PM 1545 (no D #)

(Beta) ELECTRONIC CIRCUIT TO CONTROL OPERATION OF BETA ARTICLE

C. T. Higgins and H. McCafferty
R&D

Glenn/F&N/Mathews

1-11-91 Disclosure received--pursue without committee review per Cliff Lilly.
1-14-91 To F&N for application preparation.
7-18-91 Assigned to Mathews/Ingerman.

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2020110089

PM 1546 (D688)

(Beta - Disposable Heater) CARBONACEOUS ELECTRICAL RESISTANCE HEATER

S. C. Deevi, Leo Lanzl, J. F. Whidby
R&D

Glenn/F&N/Bergin

1-11-91 Pursue without committee re-evaluation per Cliff Lilly.
1-14-91 To F&N for application preparation.
1-18-91 Assigned to deBlasi.
5-21-91 Reassigned to Bergin with instructions to expedite.
8-28-91 F&N considering whether or not to combine 1638 and 1546.
9-18-91 Bergin to prepare this case as a separate application.
11-25-91 1st draft received.
12-19-91 Inventors' comments sent to F&N along with background references.

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PM 1547 (D740)

(Project B&D) SINGLE STRUCTURE REFILLABLE PACK

D. H. Evers and W. C. Harris
Engineering

Schardt/F&N/Hersh

2-22-91 Disclosure file opened--to F&N for application preparation.
3-7-91 Drawings and sample requested from Evers.
3-15-91 Drawings and sample sent to F&N.
3-25-91 Jeff Hersh assigned to case.
4-19-91 In-house search results sent to Hersh.

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2020110090

PM 1548 (D762)

(Beta) ELECTRIC SMOKING ARTICLE

C. T. Higgins and W. R. Raymond
R&D

Glenn/F&N/Radulescu

2-28-91 Disclosure to F&N for application preparation.
3-7-91 Assigned to Farber.
8-2-91 Reassigned to David Radulescu.
9-24-91 Meeting with Radelescu/inventors.
10-15-91 In-house search sent to Radulescu.
10-21-91 Sketches sent to F&N.

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PM 1549 (D763)

(Beta) DESIGN CONCEPT FOR HEATER/AEROSOL GENERATING SYSTEM

W. G. Houck
R&D

Glenn/F&N/Radulescu

2-28-91 Disclosure to F&N for application preparation.
4-12-91 Additional information requested from Houck.
9-24-91 Houck/Glenn meeting to review data.
9-27-91 Drawings sent to Nix.
1-10-92 Reassigned to Radulescu.

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2020110091

PM 1550 (D764, D800, D871)

(Beta) ELECTRIC SMOKING ARTICLE AND ASSEMBLY THEREOF

A. Collins, M. E. Counts, G. Fleischhauer, W. Houck, B. Keen, B. Lee, R. Ritt
R&D

Glenn/F&N/Radulescu

2-28-91 Disclosure to F&N for application preparation.
3-7-91 Assigned to Farber.
8-2-91 Reassigned to David Radulescu.
9-24-91 Meeting with inventors/Radulescu.
11-7-91 PM 1648 combined herewith.
1-7-92 PM 1577 combined herewith.

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PM 1551 (D765)

(Beta/Cast Sheet) APPLICATION OF KONJAC FLOUR AS A BINDER TO PRODUCE A FLEXIBLE
TOBACCO SHEET

T. Majewski, H. Stahl, S. E. Wrenn
R&D

Glenn/F&N/Storella

2-28-91 Disclosure to F&N for application preparation.
3-8-91 Assigned to Storella; data base search results received for consideration--forwarded to inventors for review.
5-21-91 More detailed disclosure sent to Storella.
9-20-91 Status inquiry: Wrenn still gathering data--waiting for input from Majewski.
11-14-91 Letter from Storella: waiting for example and written disclosure.
11-27-91 Additional information sent to Storella.
12-4-91 Letter from Storella requesting description of "best mode".
12-9-91 "Best mode" information requested from Wrenn.

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2020110092

PM 1552 (D766)

(Tomorrow-Related) DOUBLE WRAPPED CIGARETTE ROD WITH EMBOSSED INNER WRAP

R. W. Newsome
R&D

Related to D377 and D378

Schardt/F&N/Radulescu

- 2-22-91 Disclosure file opened--to F&N for application preparation.
- 3-5-91 Assigned to Gross for consideration of patentability.
- 9-10-91 Status inquiry: Radulescu to discuss disclosure with Newsome, review prior art and prepare opinion letter.
- 9-23-91 In-house search results sent to Radulescu; meeting with Radulescu/Newsome.

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PM 1555 (D773)

(Beta) CONTROL OF DELIVERY OF POWER TO LOAD IN BETA ARTICLE

C. Higgins and H. McCafferty
R&D

Glenn/F&N/Nix

- 2-28-91 Disclosure to F&N for application preparation.
- 3-11-91 Additional information requested from inventors.
- 5-29-91 Additional information sent to C. Smith.
- 7-24-91 Additional information requested from Higgins/Utsch.
- 1-9-92 Follow-up from Nix: still waiting for additional information.

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2020110093

PM 1557 (D777) *FILED*

ACYLOXYLATION OF ALKYLAROMATIC COMPOUNDS WITH PALLADIUM-TIN CATALYSTS

R. L. Augustine and S. K. Tanielyan (Seton Hall)
R&D

Process for preparing a surface coprecipitated catalyst with improved activity for carbon monoxide oxidation.

Schardt/Depaoli/Giancola

2-22-91 Disclosure file opened--to Depaoli for application preparation.
3-7-91 Additional information requested.
4-24-91 Search results received--Augustine preparing additional information.
5-13-91 Additional information provided to Giancola by Augustine.
5-17-91 Meeting with Augustine/Giancola.
6-11-91 Search completed--results to be reviewed with inventors by Giancola.
7-25-91 1st draft sent to inventor for review.
8-12-91 Draft sent to Lilly for approval.
8-20-91 Depaoli instructed to proceed with filing.
11-6-91 Filed in PTO.

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PM 1559 (D785) *FILED*

CIGARETTE HOPPER VANE JAM PREVENTION DEVICE

R. Brinker
Engineering

Relates to improvements in feeding cigarettes through hoppers or other similar containers.

Schardt/F&N/Cassingham

2-22-91 Disclosure file opened--to F&N for application preparation.
3-7-91 Letter from C. Smith: supplemental illustrations needed in order to institute novelty search.
3-13-91 Additional drawings requested from Brinker.
3-20-91 Drawings and photos sent to C. Smith.
8-28-91 Search results received from F&N.
11-7-91 Favorable patentability opinion--F&N will proceed with application preparation.
11-25-91 1st draft sent to inventor for review.
12-3-91 Executed application sent to F&N for filing.

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2020110094

PM 1560 (D786)

PZ EQUILIBRIUM CONTROL

J. Budjinski, S. Campbell, and T. Ward
Engineering

Schardt/F&N/Brook

2-22-91 Disclosure file opened--to F&N for application preparation.
3-6-91 Letter from C. Smith requesting clarification of invention.
4-16-91 Smith's letter of March 6 sent to Ted Ward for clarification.
5-29-91 Meeting with inventors/Brook.
6-11-91 Ward's comments on Smith's March 6 letter sent to Brook.
11-20-91 Status inquiry sent to F&N.
12-2-91 Brook expects to have draft ready by January 1.

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PM 1561 (D788)

ROTARY SIDE SEAM NOZZEL ASSEMBLY

M. Garthaffner
Engineering

Schardt/F&N/Brook

2-22-91 Disclosure file opened--to F&N for application preparation.
3-6-91 F&N conducting novelty search.
8-1-91 On *hold* pending feasibility studies.
11-19-91 Status inquiry sent to Garthaffner.

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2020110095

PM 1562 (D789) *FILED*

CIGARETTE PACKS WITH RETENTION CUTS TO FACILITATE CONSISTENT LID CLOSURE

W. David and D. Wilder
Engineering

Relates to cigarette packs in the form of boxes which may, for example, have radiused vertical edges.

See also PM 1558

Glenn/F&N/Jackson/Horowitz

2-28-91 Disclosure to F&N for consideration.
3-8-91 Assigned to Jackson for consideration along with PM 1558; patentability search being done.
4-26-91 Search results received--Jackson proceeding with application preparation.
5-13-91 References sent to inventors for review.
5-24-91 1st draft sent to inventors for review.
6-9-91 Inventors' comments sent to F&N.
10-30-91 Revised application received--ready to execute.
11-15-91 Executed documents to Fish & Neave.

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PM 1563 (D793) *COMBINED*

(D. H. Max) VACUUM ASSIST GARNITURE WITH POROUS TYPE TUBE

J. Budjinski, G. Atwell, and M. Garthaffner
Engineering

See also PM 1520 and 1534

Glenn/F&N/Wilson

2-28-91 Disclosure to F&N for application preparation.
3-7-91 Additional drawings requested.
7-2-91 Meeting with Wilson/inventors.
7-31-91 Marsh report (consultant) sent to F&N.
11-20-91 Status inquiry sent to F&N.
12-4-91 Combined with PM 1534.

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2020110096

PM 1564 (D795)

(Beta) PROCESS FOR THE MANUFACTURE OF POROUS CARBON SHEETS

S. C. Deevi
R&D

Process for the manufacture of porous carbon sheets suitable for use as resistive heating elements in smoking articles.

Glenn/F&N/Guiliano

2-21-91	Disclosure file opened--proceed with filing.
3-12-91	Disclosure to F&N for application preparation.
5-30-91	Additional info requested from Deevi.
7-2-91	Additional information sent to F&N.
11-7-91	Letter from Guiliano--additional disclosure material needed in order to conduct search.
11-14-91	Additional information requested from inventor.
11-19-91	Results of preliminary in-house search sent to Guiliano.

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2020110097

PM 1567 (D792) (ACE 600)

(Project Ace) ONE PIECE BLANK THAT FORMS TWO HALF CARTONS

R. E. Talley
Engineering

See also PM 1565, 1566, 1568

Schardt/F&N/Horowitz

2-21-91 Disclosure file opened--to F&N for application preparation.
3-5-91 Additional info requested from inventor.
3-28-91 Notified F&N to rate **HIGH PRIORITY**.
5-30-91 Unfavorable patentability opinion; sample carton blanks sent to Horowitz.
11-8-91 JES reviewed with deBlasio/Talley; deBlasio to review art again--F&N instructed to put on *hold* until further notice.

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PM 1568 (D794) (ACE 8)

(Project Ace) TWO HALF CARTONS JOINED BY GLUE AT TOP FOR PURPOSE OF TAX STAMPING

R. E. Talley and E. Wooldridge
Engineering

See also PM 1565, 1566, 1567

Schardt/F&N/Horowitz

2-21-91 Disclosure file opened--to F&N for application preparation.
3-5-91 Additional info requested from inventors.
3-28-91 Notified F&N to rate **HIGH PRIORITY**.
5-30-91 Unfavorable patentability opinion.
11-8-91 JES reviewed with Talley/deBlasio--F&N instructed to proceed with application preparation as discussed.

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2020110098

PM 1569

(Beta) CERAMIC HEATER

S. C. Deevi
R&D

See also PM 1529, 1613

Glenn/F&N/Matthews

2-14-91 Patent review meeting: review for inclusion in other Beta cases or file separately.
3-4-91 Disclosure to F&N for application preparation.
4-18-91 Background art sent to Matthews.
5-22-91 Additional info faxed to Matthews.
1-6-92 Additional information sent to Matthews.

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PM 1573 (D781)

PROCESS FOR CLEANING CELLULON

S. Baldwin
R&D

Glenn/F&N/Gsell

3-14-91 Patent review meeting: file.
4-8-91 Disclosure to F&N for application preparation.
9-17-91 In-house search results sent to F&N.
11-4-91 Unfavorable patentability opinion received.
12-12-91 Opinion reported to Baldwin.

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2020110099

PM 1574 (D796)

USE OF LIQUID CARBON DIOXIDE AS SOLVENT MEDIUM AND CARRIER TO APPLY ADDITIVES TO TOBACCO

R. Southwick
R&D

Glenn/F&N/Storella

3-14-91 Patent review meeting: file - broaden to paper and filter.
4-8-91 Disclosure to F&N for application preparation.
5-10-91 Put on *HOLD* pending further development work.
11-6-91 Status inquiry from F&N.
12-30-91 Inquiry to Southwick regarding availability of additional data.

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PM 1576 (D799)

FILTER FOR SELECTIVE REMOVAL OF HIGHER MOLECULAR WEIGHT COMPONENTS OF MAINSTREAM SMOKE

R. W. Hale
R&D

Glenn/F&N/O'Neill

3-14-91 Patent review meeting: file.
4-8-91 Disclosure to F&N for application preparation.
4-19-91 Letter from C. Smith: novelty search to be done; request for clarification of the invention.
5-6-91 Clarification of disclosure sent to C. Smith.
1-6-92 Letter from O'Neill--still needs more detailed description of the filter operation.

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2020110100

PM 1577 (D800) *COMBINED*

(Beta) ELECTRIC HEATER-PLUG ASSEMBLY

G. S. Fleischhauer
R&D

Glenn/F&N

3-14-91 Patent review meeting: file.
4-8-91 Disclosure to F&N for application preparation.
1-7-92 Combined with PM 1550.

PM 1578 (D801)

(Beta) SMOKING ARTICLE COMPRISING MULTITUDE OF SMALL NEEDLE-LIKE ELECTRICAL HEATERS

G. S. Fleischhauer
R&D

Glenn/F&N/Bergin

3-14-91 Patent review meeting: file.
4-8-91 Disclosure to F&N for application preparation.

2020110101

PM 1580 (D803) *INACTIVE*

(Sigma/Delta) PASSAGEWAY DESIGNS FOR SIGMA/DELTA HEAT SOURCES

S. C. Deevi, M. R. Hajaligol, D. S. Kellogg, L. Lanzel, D. B. Losee, B. E. Waymack
R&D

Extrusion designs for use in making Sigma/Delta heat sources.

Schardt/F&N/Radulescu

- 3-14-91 Patent review meeting: file.
- 3-26-91 Disclosure to F&N for application preparation.
- 4-3-91 Letter from C. Smith: assigned to Storella who will review in light of existing Sigma/Delta cases.
- 8-21-91 Reassigned to Radulescu.
- 10-15-91 Additional information sent to Radulescu.
- 12-2-91 Inactivated due to current status of Delta and extensive coverage already obtained on Delta.

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PM 1582 (D805)

APPARATUS FOR AUTOMATIC BAGGING OF COMPRESSED TOBACCO

John Tomanovits
Engineering

Relates to apparatus for bagging compressed bricks of tobacco in a fully automated manner.

Glenn/F&N/Panichi

- 3-14-91 Patent review meeting: file.
- 4-8-91 Disclosure to F&N for application preparation.
- 5-6-91 Drawings requested from Tomanovits.
- 6-4-91 Meeting with Panichi/inventors.
- 7-31-91 Sample bag sent to Panichi.
- 11-8-91 Status check: Panichi expects to send draft week of November 18.
- 11-14-91 1st draft sent to inventor for review.
- 12-9-91 Meeting with CG/inventor.

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2020110102

PM 1583 (D806)

(Delta) CIGARETTE TRANSFER DENIAL

M. Belcastro, D. Jones, C. Longest
Engineering

Schardt/F&N/Horowitz

3-15-91 Patent review meeting: file.
3-26-91 Disclosure to F&N for application preparation.
8-7-91 Meeting with Horowitz/inventors.
9-5-91 Reminder to Longest--waiting for drawings.
11-7-91 Drawings sent to Horowitz.

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PM 1584 (D807)

(Tomorrow/Beta) APPLICATION OF STRIPS OF SLURRY USING A VENTURI SLOT AND A ROTARY AIR VALVE

E. Cutright, R. Reich, and R. Scott of Jewett and H. Vogt
Engineering

Glenn/F&N/O'Neill

3-14-91 Patent review meeting: file - broaden to include Beta.
4-8-91 Disclosure to F&N for application preparation.
4-18-91 Letter from C. Smith: assigned to O'Neill; novelty search instituted.
11-5-91 Favorable patentability opinion received--F&N will proceed with application preparation.

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2020110103

PM 1585 (D808)

(Tomorrow/Beta) APPLICATION OF STRIPS OF SLURRY VIA A MOVING BELT ANGLED TO THE DIRECTION OF FLOW OF A PAPER WEB

E. Cutright and R. Scott of Jewett and H. Vogt
Engineering

Glenn/F&N/O'Neill

3-14-91 Patent review meeting: file - broaden to include Beta.
4-8-91 Disclosure to F&N for application preparation.
10-11-91 F&N instructed to expedite.
10-16-91 Meeting with O'Neill/inventors.
12-2-91 1st draft sent to inventors for review.
12-9-91 Inventors' comments sent to F&N with inventors' addresses.

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PM 1586 (D809)

(Tomorrow/Beta) DISPLACEMENT TRANSFER OF SLURRY TO A MOVING PAPER WEB

E. Cutright and R. Scott of Jewett and H. Vogt
Engineering

Glenn/F&N/O'Neill

3-14-91 Patent review meeting: file - broaden to include Beta.
4-8-91 Disclosure to F&N for application preparation.
4-18-91 Letter from C. Smith: assigned to O'Neill; novelty search instituted.
11-5-91 Favorable patentability opinion received--F&N will proceed with application preparation.
12-10-91 Additional information requested from inventors.

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2020110104

PM 1587 (D810)

(Tomorrow) VACUUM TRANSFER OF SLURRY TO A MOVING PAPER WEB

E. Cutright and R. Scott of Jewett and H. Vogt
Engineering

A method for transferring a slurry to a moving paper web using a rotating drum with equally spaced slots, covered by a fine mesh screen, for containing the slurry.

Schardt/F&N/Reedy

3-14-91 Patent review meeting: file.
3-26-91 Disclosure to F&N for application preparation.
4-3-91 Assigned to Reedy; novelty search instituted.
7-3-91 Opinion received: meaningful coverage would be difficult to obtain.
8-20-91 Letter to F&N: put on *hold* for time being.
9-17-91 Patentability reconsidered; F&N recommends proceeding with patent application.
10-14-91 F&N instructed to proceed with application.

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PM 1588 (D787)

(CARTIER C20) FOLD IN LID LOCK

X. Pham

Glenn/F&N/McCabe

3-14-91 Patent review meeting: file.
4-8-91 Disclosure to F&N for application preparation.
4-24-91 Assigned to McCabe; novelty search instituted.
8-23-91 Inactivated--unfavorable patentability opinion.
11-14-91 Reconsidered at patent review meeting: file.
12-2-91 Disclosure to F&N for application preparation.

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2020110105

PM 1589 *FILED*

(Project Ace) SEPARABLE OR DIVISIBLE LABEL CONTAINING UNIVERSAL PRICE CODE

J. A. DeBlasio, S. J. A. Douglass, J. L. Miller, X. M. Pham, and R. E. Talley,
Engineering

Relates to the use of a label bearing indicia encoded for automatic pricing to connect two separate cigarette cartons, to form a combined dual carton, the indicia being positioned such that the code is rendered unreadable when the two cartons are separated.

Schardt/F&N/Horowitz

3-26-91 Disclosure received--to F&N for application preparation--**HIGH PRIORITY**.
4-23-91 Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-30-91 Patentability opinion: patentable.
6-6-91 PM 1617 combined herewith.
6-20-91 1st draft sent to inventors.
7-30-91 Inventors' comments sent to Horowitz along with new disclosure for consideration.
8-13-91 Letter from C. Smith: disclosure sent on July 30 will be embodied in PM 1589.
9-4-91 2nd draft sent to DeBlasio for review.
9-18-91 DeBlasio's comments sent to Horowitz.
11-5-91 Application sent to deBlasio for execution.
11-12-91 Executed and sent to Horowitz for filing.

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PM 1591 (ACE 500, 501)

(Project Ace) 5 PACK CARTON UNIT THAT HAS A TUCKED FLAP FOR EASE OF OPENING

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Allows for a tucked flap to be formed by forming a lap seam on the side of the carton.

Schardt/F&N/Hersh

3-28-91 Disclosure received--to F&N for application preparation--**HIGH PRIORITY**.
4-23-91 Letter from C. Smith: assigned to Horowitz; novelty search instituted.
10-7-91 1st draft sent to deBlasio for review.
11-12-91 Inventors' comments sent to Hersh.
12-17-91 2nd draft sent to deBlasio for review.

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2020110106

PM 1592 (Ace 6, 7, 9, 12, 19, 21, 400)

(Project Ace) SINGLE CARTON BLANK HOLDING 10 PACKS IN TWO 1X5 ROWS WHICH CAN BE SEPARATED INTO TWO SEPARATE 1X5 CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Maintains existing 2x5 configuration to minimize machine modifications for processing at point of manufacture and at distribution tax stamping while still being able to be separated into two 1x5 cartons for distribution or by customer at point of sale.

Schardt/F&N/Hersh

3-28-91 Disclosure received--to F&N for application preparation--**HIGH PRIORITY**.
4-23-91 Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-30-91 Sample carton blanks sent to Horowitz.
10-8-91 PM 1593, 1594, 1611 combined herewith.
11-20-91 Status inquiry sent to F&N.
12-2-91 Hersh expects to have draft ready by mid-December.

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PM 1595

(Project Ace 3 and 15) TAX-STAMPABLE HALF-CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Relates to detachable paperboard double half-cartons for cigarette packs in which a dual half-carton is run through a standard tax-stamping machine and then may be separated for sale as separate, individual half-carton units.

Schardt/F&N/Hersh

3-28-91 Disclosure received--to F&N for application preparation--**HIGH PRIORITY**.
4-23-91 Letter from C. Smith: assigned to Horowitz; novelty search instituted.
5-30-91 Sample carton blanks sent to Horowitz.
10-11-91 1st draft sent to deBlasio for review.
11-12-91 Inventors' comments sent to Hersh.

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2020110107

PM 1597 (D823) (CIP of PM1590) *FILED*

(ACE 18) TWO CARTONS JOINED AS A SINGLE UNIT SUITABLE FOR TAX STAMPING AND SEPARATED TO PERMIT SALE AS TWO SINGLE CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, X. Pham, R. E. Talley
Engineering

Relates to the connection of two separate cigarette cartons each of which contain a single row of five cigarette packs such that the combination of the two cartons has substantially the same dimensions as a standard cigarette carton which contains two rows of five cigarette packs per row.

Schardt/F&N/Horowitz

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
5-30-91 Patentability opinion: patentable; will proceed with application preparation.
6-21-91 1st draft received--to deBlasio for review by inventors.
7-30-91 Inventors' comments sent to Horowitz.
11-18-91 Revised application received--ready to execute.
12-9-91 Executed application sent to F&N for filing.

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2020110108

PM 1598 (D824) - CIP OF PM1590 *FILED*

(ACE 17) TWO CARTONS JOINED AS A SINGLE UNIT SUITABLE FOR TAX STAMPING AND SEPARATED TO PERMIT SALE AS TWO SINGLE CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, X. Pham, R. E. Talley
Engineering

Relates to the connection of two separate cigarette cartons each of which contain a single row of five cigarette packs such that the combination of the two cartons has substantially the same dimensions as a standard cigarette carton which contains two rows of five cigarette packs per row.

Schardt/F&N/Horowitz

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
5-30-91 Patentability opinion: patentable; will proceed with application preparation.
6-21-91 1st draft received--to deBlasio for review by inventors.
7-30-91 Inventors' comments sent to Horowitz.
10-8-91 2nd draft received incorporating additional disclosure--sent to deBlasio for review.
11-8-91 deBlasio's comments sent to Horowitz.
11-18-91 Revised application received--ready to execute.
12-9-91 Executed application sent to F&N for filing.

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PM 1599 (D825)

(ACE 16) USE OF SLIP LOCK INSERTS TO SECURE TWO SEPARATE CONTAINERS (OF 1 ROW X 5 PACKS) TOGETHER FOR THE PURPOSE OF CREATING A SINGLE PACKAGE THAT IS COMPATIBLE WITH EXISTING EQUIPMENT AND CAN BE SEPARATED UPON CONSUMER INITIATIVE

C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
5-17-91 Novelty search instituted by F&N.
11-20-91 Status inquiry sent to F&N.
12-2-91 Wildes has been involved in litigation--hopes to have opinion letter or draft ready within a few weeks.

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2020110109

PM 1600 (D826)

(ACE 14) DUAL CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Horowitz

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
5-30-91 Patenability opinion: patentable; will proceed with application preparation.
11-20-91 Status inquiry sent to F&N.
12-3-91 1st draft sent to deBlasio for review by inventors.
12-6-91 Inventors' comments sent to Horowitz.
1-3-92 Revised application sent to deBlasio for execution.

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PM 1601 (D827)

(ACE 13) DUAL CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
5-17-91 Novelty search instituted by F&N.
11-20-91 Status inquiry sent to F&N.

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2020110110

PM 1602 (D828)

(ACE 11) A DUAL CARTON

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes

4-24-91 Disclosure to F&N for evaluation and application preparation--*HIGH PRIORITY*.
5-17-91 Novelty search instituted by F&N.
11-20-91 Status inquiry sent to F&N.
12-2-91 Wildes involved in litigation--hopes to have opinion letter or draft ready within a few weeks.

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PM 1603 (D829) (CIP OF PM 1590)

(ACE 10) TWO CARTONS JOINED AS A DUEL CARTON SEPARABLE INTO TWO INDIVIDUAL
CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Horowitz

4-24-91 Disclosure to F&N for evaluation and application preparation--*HIGH PRIORITY*.
5-30-91 Patentability opinion: patentable; will proceed with application preparation.
11-14-91 1st draft received--sent to deBlasio for review by inventors.
12-16-91 Inventors' comments sent to Horowitz.
1-3-92 Revised application sent to deBlasio for execution.

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2020110111

PM 1604 (D830)

(ACE 700) TWO 1X5 CARTONS JOINED AS A SINGLE UNIT SUITABLE FOR TAX STAMPING AND SEPARATED TO PERMIT SALE AS TWO SINGLE 1X5 CARTONS

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Horowitz

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
6-4-91 Clarification of disclosure requested from deBlasio.
7-29-91 Status inquiry sent to DeBlasio.
8-6-91 Additional information sent to Horowitz.

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PM 1605 (D831)

(ACE 4) TOPLESS DUAL CONTAINER, TWO SECTIONS CONTAINING SINGLE ROWS OF 5 PACKS, CONTAINER CAN BE SEPARATED AND SMALLER CONTAINER INSERTED/ENCLOSED IN AN OUTER SLEEVE

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Hersh

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
11-20-91 Status inquiry sent to F&N.
12-2-91 Hersh will start on draft when he finishes 1512.

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2020110112

PM 1606 (D832)

(ACE 2) INSERT IN A STANDARD CARTON DESIGN TO HOLD 5 PACKS AS A UNIT

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
5-17-91 Novelty search instituted by F&N.
11-20-91 Status inquiry sent to F&N.
12-2-91 Wildes involved in litigation--hopes to have opinion letter or draft ready within a few weeks.

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PM 1607 (D833)

(ACE 1) 5 PACK CARTON UNIT PACKED IN A STANDARD CARTON DESIGN

J. M. Adams, C. N. Chance, J. A. DeBlasio, D. H. Evers, W. C. Harris, M. A. Kirby, R. W. Newsome, R. E. Talley
Engineering

Schardt/F&N/Wildes

4-24-91 Disclosure to F&N for evaluation and application preparation--**HIGH PRIORITY**.
5-17-91 Novelty search instituted by F&N.
11-20-91 Status inquiry sent to F&N.
12-2-91 Wildes involved in litigation--hopes to have opinion letter or draft ready within a few weeks.

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2020110113

PM 1609

(Project Drought) CIGARETTE MAKING AT ELEVATED TEMPERATURES

(PM Australia)

Schardt/Callinans/Kelson

5-29-91 Callinan instructed to proceed with filing in US and Europe--coordinate with Hargrave.

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PM 1610 (ACE 20)

(Project ACE 20) SINGLE CARTON BLANKS HOLDING 5 PACKS WHICH MAY BE JOINED TO FORM A 2X5 SINGLE CARTON WHICH CAN BE SEPARATED INTO TWO 1X5 CARTONS

J. M. Adams, C. N. Chance, J. A. Deblasio, D. H. Evers, M. A. Kirby, R. W. Newsome, and R. E. Talley
Engineering

Schardt/F&N/Hersh

5-14-91 Disclosure to F&N for application preparation.
5-21-91 Letter from C. Smith: assigned to Hersh.
11-20-91 Status inquiry sent to F&N.
12-2-91 Hersh will start on draft when he finishes 1512.

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2020110114

PM 1612 (D814)

(NET) PROCESS FOR ADJUSTING THE MOISTURE CONTENT OF TOBACCO

John Crump, E. B. Fischer, Warren Winterson
R&D

Relates to the use of a humid-air stream having a relative humidity very near the equilibrium moisture content of the tobacco to contact the tobacco and thereby alter the OV content of the tobacco.

Glenn/F&N/McCabe

5-9-91 Patent review meeting: file.
6-4-91 Disclosure to F&N for application preparation.
10-16-91 Meeting with McCabe/inventors.
11-8-91 Additional information sent to McCabe.
12-10-91 PM 1623 combined herewith; additional info sent to McCabe.
12-12-91 1st draft sent to inventors for review.
12-17-91 Meeting with McCabe/inventors.
1-3-92 2nd draft sent to inventors for review.

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PM 1613 (D815 D818)

(BETA) CERAMIC HEATER

M. Hajaligol and Mike Watkins
R&D

Glenn/F&N/Matthews

5-9-91 Patent review meeting: combine D815 and D818 and file.
6-3-91 Disclosure to F&N for evaluation.
6-7-91 Letter from C. Smith: assigned to Matthews who is considering whether to combine PM 1613, 1529, and 1569.

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2020110115

PM 1614 (D820)

IMPROVED RECYCLABLE CIGARETTE PLUG CONTAINER/TRAY SYSTEM

G. Holden, B. Kiernan, B. Semp, I. Szell
20th Street

Schardt/F&N

5-9-91 Patent review meeting: file.
5-16-91 Disclosure to F&N for application preparation.
5-21-91 Letter from C. Smith requesting sketches/photographs of the invention.
5-29-91 Sketches/photos requested from Kiernan.
11-19-91 Status inquiry sent to Kiernan.
12-6-91 Kiernan has been side-tracked on other projects--hopes to get photos/sketches done by January 1.

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PM 1615 (D816)

IMAGE INSPECTION SYSTEMS

H. Dante
R&D

Relates to image inspection systems which are suited to high speed inspection of repetitively occurring images and in which it is important to monitor the full grey scale integrity of the images.

Glenn/F&N/Jackson

5-9-91 Patent review meeting: file.
6-4-91 Disclosure to F&N for application preparation.
9-13-91 Meeting with B. Jackson and Dante.
10-1-91 1st draft sent to inventor for review.
12-28-91 Status inquiry from Jackson.

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2020110116

PM 1618

(PROJECT GOLD) CONTOURED SURFACE FO THE G.D X-1 EXIT SIDE SEAM HEATER PLATE

J. Adams
Engineering

Allows for more complete glue activation on the side seam for pre-applied adhesive.

Glenn/F&N/Wildes

6-5-91 Disclosure received--sent to F&N for application preparation on expedited basis.
7-29-91 Meeting Wildes met with inventors at Alford Packaging.
11-20-91 Status inquiry sent to F&N.
12-2-91 Brook to draft application in very near future.
12-31-91 D894 combined herewith.

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PM 1619

(PROJECT FRESH AND GOLD) HEAT SEALABLE FLIP-TOP BOX CONCEPT

John Adams, Angel Amendola, Fred Della Crosse, Bob Gallino, Jeff Haskin, Dave Moir, Xuan Pham, Ken Shepard
Engineering

Completely eliminates wet adhesive in process of forming and sealing flip-top box. reduces machine down-time, increases machine utilization, and eliminate glue clean-up operation.

Glenn/F&N/Wildes

6-18-91 Disclosure sent to F&N for application preparation.
6-26-91 Assigned to Morey Wildes.
7-29-91 Meeting Wildes met with inventors at Alford Packaging.
11-20-91 Status inquiry sent to F&N.
12-2-91 F&N waiting for additional information.

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2020110117

PM 1620

(PROJECT FRESH AND GOLD) HEAT SEALABLE CARTON CONCEPT

John Adams, Angel Amendola, Fred Della Crosse, Bob Gallino, Jeff Haskin, Dave Moir, Xuan Pham, Ken Shepard
Engineering

Completely eliminates wet adhesive in process of forming and sealing flip-top box. reduces machine down-time,
increases machine utilization, and eliminate glue clean-up operation.

Glenn/F&N/Wildes

6-18-91 Disclosure sent to F&N for application preparation.
6-26-91 Assigned to Morey Wildes.
7-29-91 Meeting Wildes met with inventors at Alford Packaging.
11-20-91 Status inquiry sent to F&N.
12-2-91 F&N waiting for additional information.

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PM 1621

(PROJECT FRESH AND GOLD) HEAT SEALABLE CLOSURE STAMPS CONCEPT FOR SOFTPACK

John Adams, Angel Amendola, Fred Della Crosse, Bob Gallino, Jeff Haskin, Dave Moir, Xuan Pham, Ken Shepard
Engineering

Completely eliminates wet adhesive in process of forming and sealing flip-top box. reduces machine down-time,
increases machine utilization, and eliminate glue clean-up operation.

Glenn/F&N/Wildes

6-18-91 Disclosure sent to F&N for application preparation.
6-26-91 Assigned to Morey Wildes.
7-29-91 Meeting Wildes met with inventors at Alford Packaging.
11-20-91 Status inquiry sent to F&N.
12-2-91 F&N waiting for additional information.

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2020110118

PM 1622 (D689)

USE OF EITELITE TO REDUCE SIDESTREAM EMISSION

J. B. Paine
R&D

Provides good cling, no fall-off, and near solidity to the ash. This material has much better ash coherence than the usual magnesium carbonates so far used.

Glenn/F&N/Miraglia

6-13-91 Patent review meeting: file.
6-24-91 Disclosure sent to F&N for application preparation.
7-12-91 Letter from Bailey: assigned to Miraglia--waiting for prior art to be sent up.

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PM 1623 (D834) *COMBINED*

(NET) HUMID AIR REORDERING OR EXPANDED TOBACCO

M. S. North and W. D. Winterson
R&D

Provides an improved means of reordering expanded tobacco in that breakage is greatly reduced, and CB loss is reduced or eliminated relative to conventional reordering techniques. Provides effective means of keeping air relative humidity close to equilibrium tobacco RH.

Glenn/F&N/McCabe

6-13-91 Patent review meeting: file.
6-24-91 Disclosure sent to F&N for application preparation.
7-12-91 Letter from Bailey: assigned to McCabe.
 Combined with PM 1612.

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2020110119

PM 1624 (D835)

(NET) MEANS OF CONVEYING TOBACCO THROUGH A REORDERING GAS STREAM

M. S. North and W. D. Winterson
R&D

Belt prevents tobacco from falling through the edges of a conventional articulated belt and provides gentle handling of product while allowing gas-tobacco contact, as would be required for reordering or drying tobacco.

Glenn/F&N/McCabe

6-13-91 Patent review meeting: file.
6-24-91 Disclosure sent to F&N for application preparation.
7-12-91 Letter from Bailey: assigned to McCabe--detailed illustration and description needed before application preparation can proceed.
10-16-91 Meeting with McCabe/inventors.

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PM 1625 (D836)

(NET) IMPROVED MEANS OF DRYING EXPANDED TOBACCO

M. S. North and W. D. Winterson
R&D

Uses a device similar to a gyrocompact spiral freezer, modified such that (1) drying air replaces the cold air typical for freezers, (2) air flow is either cocurrent or countercurrent to tobacco flow, (3) air velocity sufficiently high to remove required moisture from tobacco in a single stage, and (4) belt modified to carry tobacco.

Glenn/F&N/McCabe

6-13-91 Patent review meeting: file.
6-24-91 Disclosure sent to F&N for application preparation.
7-12-91 Letter from Bailey: assigned to McCabe--detailed illustration and description needed before application preparation can proceed.
10-16-91 Meeting with McCabe/inventors.

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2020110120

PM 1626 (D837, D838)

(TOMORROW) PROCESS FOR APPLYING BANDS OF CELLULOSIC SLURRIES, INORGANIC GEL MATERIALS OR BURN RETARDANTS ON CIGARETTE WRAPPER DURING PAPERMAKING PROCESS

S. D. Baldwin, R. T. Gaudlitz, N. Gautam, R. M. Rogers
R&D

Involves use of ink-jet printing technology to apply cellulosic slurries, etc. on cigarette wrapper in patterns such as 5 mm wide cross-directional bands to achieve zone specific modification of the burn rate of the cigarette.

Glenn/F&N/Horowitz

6-13-91 Patent review meeting: file.
6-24-91 Disclosure to F&N for application preparation.
7-17-91 Assigned to Horowitz; additional information requested.
8-1-91 Additional information sent to F&N.
8-12-91 References sent to Gautam by Horowitz for review.

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PM 1627 (D839)

(BETA) TRANSDUCER FILMS FOR AEROSOL PRODUCTION

P. J. Lipowicz
R&D

Production of aerosol by ultrasound without direct contact of the liquid to the ultrasonic transducer is disclosed. Surface of the transducer is covered with an adhering film. When power is applied to the transducer and liquid is placed on the film, the liquid is converted to an aerosol.

Glenn/F&N/deBlasi

6-13-91 Patent review meeting: file.
6-24-91 Disclosure to F&N for application preparation.
7-12-91 Letter from Bailey: assigned to deBlasi--detailed description of invention and illustrations needed before application preparation can proceed.
11-8-91 F&N still waiting for additional information.

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2020110121

PM 1628 (D840)

NEW PROCESS FOR THE PREPARATION OF MENTHOL ISOPROPENYL CARBONATE (MIC)

L. M. Harwood and A. C. Manage
R&D

Novel procedure for obtaining menthyl isopropenyl carbonate, the precursor of poly(menthyl isopropenyl carbonate)-polyMIC, an important menthol release agent.

Schardt/Depaoli/Giancola

6-13-91 Patent review meeting: file.
6-20-91 Disclosure to Depaoli for application preparation.
7-29-91 1st draft sent to Houminer/Seeman for review.

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PM 1629 (D841) *ENGINEERING DOCKET*

SYSTEM FOR FORMING A UNIFORM FLOW OF ROD SHAPED ARTICLES

T. J. Cummins and W. H. Pettigrew
Engineering

Relates to a system for forming stacks of cigarettes or filters onto a conveyor as the product exits the production machinery.

Schardt/F&N/Bergin

6-13-91 Patent review meeting: file.
6-20-91 Disclosure to F&N for application preparation.
6-27-91 Assigned to Bergin; additional information requested from Pettigrew.
11-14-91 Patent review meeting: Engineering docket pending development of machine.
12-12-91 Note from Pettigrew: no plans to develop this at this time.

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2020110122

PM 1630 (D842)

VARIABLE RATE OF FLOW SOFTWARE CIRCUIT

T. J. Cummins
Engineering

Custom software program designed to control flow rates for given machine processes.

Schardt/F&N/Bergin

6-13-91 Patent review meeting: file.
6-20-91 Disclosure to F&N for application preparation.
7-8-91 Draft description of invention sent to Cummins for review.
7-15-91 Cummins' comments on description sent to F&N.
8-27-91 Assigned to Bergin.
11-20-91 Status inquiry sent to F&N.
12-2-91 Bergin expects to have draft ready by mid-December.
12-16-91 Bergin to contact inventor in mid-January regarding the specifics of the invention to determine need for novelty search.

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PM 1631 (D843)

(Pack Coupon for FT Box) FLIP-TOP BOX WITH ATTACHED POP OUT COUPON

D. H. Evers
Engineering

Glenn/F&N/Nix

6-13-91 Patent review meeting: file.
6-24-91 Disclosure to F&N for application preparation.
7-12-91 Letter from Bailey: assigned to Nix--novelty search instituted.
9-13-91 Unfavorable patentability opinion received.
10-23-91 Patentability reconsidered - protection of limited scope may be possible - F&N will proceed with preparation of an application.
12-9-91 1st draft sent to Evers for review.
12-30-91 Evers' comments sent to Nix.

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2020110123

PM 1632

ELECTRICAL SYNCHRONIZATION OF CHARCOAL DELIVERY CHAIN TO COMPONENT DELIVERY DEVICE

C. G. Atwell, M. Belcastro, J. Budjinski, W. Marsh, and T. Ward
Engineering

High speed Lark combiner.

Schardt/F&N/Schoneman

6-13-91 Patent review meeting: file.
6-20-91 Disclosure to F&N for application preparation.
6-27-91 Assigned to Schoneman.
7-3-91 Walter Marsh report requested from Atwell.
11-19-91 Status inquiry sent to Atwell.
12-4-91 Marsh report sent to F&N.
1-2-92 Favorable patentability opinion received--F&N will proceed with application preparation.

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PM 1633 (D845)

PUT INTO PRODUCTION 10/91

STEEL ON STEEL EMBOSSING WITH DATE CODING

R. Allison, R. Brinker, J. Wayne
Engineering

Schardt/F&N/Brook

6-13-91 Patent review meeting: file.
6-20-91 Disclosure to F&N for application preparation.
7-3-91 Additional information requested from Brinker.
7-8-91 Additional information sent to F&N.
7-31-91 Assigned to Brook.
11-20-91 Status inquiry sent to F&N.
12-13-91 Meeting with Brook/Brinker.

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2020110124

PM 1634

PRODUCT GAUGE METHODS AND APPARATUS FOR USE IN THE OPTICAL DETERMINATION OF THE ACCEPTABILITY OF PRODUCTS

Glenn/F&N/Rhoads

- 6-27-91 Disclosure to F&N for application preparation on expedited basis.
- 7-12-91 Letter from Bailey: assigned to Adler--detailed description of invention and drawing needed before work on application can proceed.
- 7-22-91 Sample gauge sent to Adler.
- 10-9-91 Drawings sent to Adler.
- 12-3-91 1st draft to inventors for review.

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PM 1635

PAPER/PLASTIC END CAP FOR CARTIER 10'S PACK

D. H. Evers
Engineering

Paper/plastic cap is more economical than all plastic cap. Permits part to be wet-glued to body if desired. May be printed and/or embossed.

Glenn/F&N/Kalmar

- 7-3-91 Disclosure to F&N for application preparation--possibly as CIP to existing Cartier case.
- 8-26-91 Novelty search underway; assigned to Kalmar; Bob Jackson to supervise.

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2020110125

PM 1636 (CIP of PM 1590)

(ACE 22) CARTON PROVIDING EASY ACCESS TO PACKAGED GOODS CONTAINED THEREIN

D. H. Evers, W. C. Harris, R. E. Talley
Engineering

Schardt/F&N/Horowitz

7-15-91 Disclosure to F&N for application preparation.
8-2-91 Assigned to Horowitz--search instituted.
8-22-91 DeBlasi discussed with Horowitz--need to expedite review of prior art.
11-14-91 1st draft received--sent to deBlasio for review.
1-3-92 Revised application sent to deBlasio for execution.

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PM 1637

(ACE 23) MULTIPLE UNIT CARTON

J. A. DeBlasio
Engineering

Schardt/F&N/Horowitz

8-7-91 Disclosure to F&N for application preparation.
8-19-91 Assigned to Horowitz.
1-14-92 1st draft sent to deBlasio for review.

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2020110126

PM 1638 (D852)

(BETA - Permanent Heater) HEATER DESIGN PROVIDING EIGHT DISCRETE HEATING ZONES FOR GENERATION OF AEROSOL

A. Das, S. C. Deevi, E. Grollmund, M. R. Hajaligol, M. Subbiah
R&D

Disclosed is a single, integral, eight puff, "permanent heater", with an estimated life of 3-4 months, for generating aerosol.

Glenn/F&N/Bergin

8-8-91 Patent review meeting: file--combine if possible.
8-22-91 Disclosure to F&N for application preparation.
8-28-91 F&N considering whether or not to combine 1638 and 1546.
9-18-91 Bergin to prepare 1638 as separate application.

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PM 1639 (D853)

(NET) SHORT CYCLE TOBACCO IMPREGNATION WITH MODIFIED CONVENTIONAL HIGH PRESSURE BALL VALVE AS AN IMPREGNATOR

K. H. Cho, J. M. Dobbs, J. G. Nepomuceno, W. A. Nichols, R. Prasad
R&D

Cut filler tobacco impregnation, for expansion, may be achieved with the use of a modified high pressure ball valve as an impregnator. The cycle time for this method can be less than 40 seconds.

Glenn/F&N/McCabe

8-8-91 Patent review meeting: file--*high priority*.
8-22-91 Disclosure to F&N for application preparation.
8-28-91 Assigned to McCabe.
10-14-91 McCabe visited pilot plant.
11-19-91 Additional information sent to McCabe.

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2020110127

PM 1640 (D859)

USE OF HYDROMAGNESITE AS A FILLER OR CO-FILLER FOR LOW SIDESTREAM WRAPPERS

S. Baldwin, G. Bokelman, J. Fournier, A. Kallianos, J. Paine, K. Podraza, J. Seeman, S. Tafur
R&D

This disclosure relates to the use of hydromagnesite, either amorphous or crystalline, as a filler or a co-filler for the fabrication of tobacco cigarette wrappers having reduced sidestream smoke. The main objective of this invention is the reduction of sidestream smoke using a readily available, inexpensive filler composition which has excellent papermaking properties.

Glenn/F&N/Morris

- 8-8-91 Patent review meeting: file--combine if possible.
- 8-22-91- Disclosure to F&N for application preparation.
- 8-28-91 Assigned to Morris; to be considered in light of other Project 2500 cases for possible combining.
- 9-25-91 Memo to Sanders: need to resolve how to proceed with this case and Ecusta, as discussed.

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PM 1641 (D861)

X2 FOIL FOLDS INSPECTION VISION ASSEMBLY

E. J. Cadieux and T. P. White
Engineering

The system disclosed is used on a GDX-2 to inspect the foil folds on our hard pack products. The Itran vision system used incorporated high speed electronics and state of the art optics to observe the foil folds and reject any missing, wrinkled or unregistered foil defects on the bottom or top of the packs.

Glenn/F&N/Brook

- 8-8-91 Patent review meeting: file--broaden.
- 8-21-91 Disclosure to F&N for application preparation.
- 8-28-91 Assigned to Brook; additional disclosure materials requested.
- 9-6-91 Memo to inventors requested more information.
- 9-19-91 F&N instructed to *expedite*.
- 11-5-91 Additional disclosure materials requested in order to conduct search.

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2020110128

PM 1642 (D863)

SIDE FLIP TOP BOX FOR 10S AND 14S

Pam Moore

Disclosed is a side flip-top box that is sized to accommodate 10 or 14 cigarettes. The box combines unique graphics potential with a tax stampable geometry feature. An integral innerframe is used in the 10s configuration to fill the excess volume that would be filled using the 14s collation.

Related to D713.

Glenn/F&N/Kalmar

8-8-91 Patent review meeting: file.
8-22-91 Disclosure to F&N for consideration.
8-28-91 Assigned to Kalmar.
12-11-91 References to Kalmar; sent design to FTR in relation to blossom pack (0076).

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PM 1643 (D866, 867)

HIGH SPEED VACUUM ASSIST FREE FLOWING MATERIAL INSERTER

G. Atwell, J. Budjinski, G. Fleischhauer, M. Garthaffner, B. Keen, L. Stevens
Engineering

Relates to a device for very high speed delivery of a controlled amount of free flowing material into discrete receiving spaces between filter plugs in partially constructed cigarette filters.

Glenn/F&N/Wilson

9-20-91 Disclosure to F&N for application preparation.
9-25-91 Assigned to Kalmar who will meet with inventors to gather additional information.
10-4-91 F&N asked to expedite.
10-10-91 Meeting with Wilson/inventors.
10-17-91 1644 combined herewith.
10-28-91 Drawing to Wilson - HIGH PRIORITY.
11-6-91 1st draft sent to inventors for review.
11-21-91 Inventors' comments sent to F&N.

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2020110129

PM 1645 (D868)

STRUCTURED LIGHT SOURCE FOR DETECTING CIGARETTE ATTRIBUTES VIA VISION SYSTEM

H. C. Longest, B. S. Smith
Engineering

Cigarette attributes can be enhanced by using a structured light source for detection of attributes at high speeds. Void ends and loose ends also detected.

Schardt/F&N/Mathews

9-20-91 Disclosure to F&N for application preparation.
9-27-91 Assigned to Mathews.
11-18-91 Unfavorable patentability opinion received.

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PM 1646 (D854)

BOLD CONCENTRIC FILTER

M. S. Braunshteyn, J. A. deBlasio, and R. E. Talley
Engineering

Higher degree of filtration than with present methods. Uses existing Hauni KDF-2/AF-1 with PM designed paper crimper. Minimizes new design requirements.

Schardt/F&N/McNally

10-17-91 Patent review meeting: file.
10-23-91 Disclosure to F&N for application preparation.
11-12-91 In-house search results sent to F&N; McNally reviewing art.

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2020110130

PM 1648 (D871) *COMBINED*

BETA PRODUCT ASSEMBLY

Al Collins, Willie Houck, Bill Keen, Bob Lee, Ray Ritt
Engineering

The combined configuration of the product allows itself to be assembled using conventional assembly machinery and techniques indicative of high cigarette manufacturing. It also provides an enclosed flavor chamber and segregates the aerosol from all heater and electrical circuits.

See also PM 1550.

Glenn/F&N

10-30-91 Disclosure to F&N for application preparation.

11-7-91 Combined with PM 1550.

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PM 1649 (D878)

VARIABLE LINEAR LIGHT ARRAY

Cary Longest and Barry Smith
Engineering

Provides uniformly distributed light along a cycloidal surface without interference from shadows or light spotting. the uniformly distributed light and adjustable intensity arrays allow surface attributes along the cycloidal surface to be enhanced or dampened for visual or optical detection of inspection methods.

Glenn/F&N

10-30-91 Disclosure to F&N for application preparation.

11-4-91 Request from F&N for detailed description of the cigarette motion in order to conduct novelty search.

11-19-91 Drawings received from inventor.

12-6-91 Additional information sent to F&N.

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2020110131

PM 1650 (D873)

IMPROVED METHOD FOR THE SYNTHESIS OF MENTHYL ISOPROPENYL CARBONATE

W. B. Edwards

R&D

Schardt/Depaoli/Giancola

10-17-91 Patent review meeting: file.
10-23-91 Disclosure to Depaoli for application preparation.
10-30-91 Draft claims handed to Edwards for review.
11-25-91 Edward's comments on claims sent to Giancola.
12-2-91 1st draft sent to Edwards for review.

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PM 1651 (D876)

(BETA) INTEGRATED MULTICHANNEL PIEZOELECTRIC PUFF SENSOR

Amit Das and S. C. Deevi

R&D

Object is to sense the pressure drop created thru a puff and convert it into a specific electrical signal through a piezoelectric material. this signal will then act as a signature for a puff as opposed to other forms of external pressures that the piezoelectric material may be subject to.

Glenn/F&N

10-30-91 Disclosure to F&N for application preparation.
11-4-91 F&N requests clarification of the invention and recommends a novelty search.
1-3-92 F&N waiting for response to November 4 letter.

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2020110132

PM 1652 (ACE)

(PROJECT ACE) CARTON OR CONTAINER FLAP TUCKING, CLOSING AND SEPARATING DEVICE

E. Agranat, R. T. Wheeler, C. A. Moeller
Design Technology Corporation
Engineering

Schardt/F&N/Hersh

11-7-91 Disclosure to F&N for application preparation.

11-13-91 Assigned to Hersh; novelty search instituted; Hersh to discuss inventorship and need for additional disclosure materials with deBlasio.

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PM 1653 (D881, 882, 883)

(BETA) HEATER DESIGNS

A. Collins, G. Fleischhauer, C. Higgins, B. Keen, B. LaRoy, W. Raymond
R&D/Engineering

Glenn/F&N/Matthews/Harnett

11-14-91 Patent review meeting: file.

12-9-91 Disclosure to F&N for application preparation.

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2020110133

PM 1654 (D885)

VISION SYSTEM OPTICAL INSPECTION FOR FILTER MAKING MACHINERY

Cary Longest and Barry Smith
Engineering

Glenn/F&N

11-14-91 Patent review meeting: file separately if unique concepts are not covered.
12-11-91 Disclosure to F&N for application preparation.
1-2-91 More specific and detailed disclosure and drawing requested.

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PM 1655 (D886)

(BETA) DISPOSABLE TOBACCO SYSTEM INSERTS

M. E. Counts and S. E. Wrenn
R&D

Glenn/F&N/Radulescu

11-14-91 Patent review meeting: file.
12-12-91 Disclosure to F&N for application preparation.
1-3-92 Assigned to Radulescu.

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2020110134

PM 1656 (D887)

BAR DATE: JANUARY 23, 1992

QUICK CHANGE GEAR ARM

M. C. Luckado
Manufacturing

Schardt/F&N/Panichi

11-14-91 Patent review meeting: file--broaden to include other equipment.
11-21-91 Disclosure to F&N for application preparation.
11-26-91 Clarification of installation dates and request for detailed description requested from inventor.
12-12-91 Additional information sent to Krasnow.
1-10-92 Reassigned to Panichi.

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PM 1657 (D648)

PORTABLE AIR FILTRATION SYSTEM

J. Lephardt

Glenn/F&N

11-14-91 Patent review meeting: file.
12-11-91 Disclosure to F&N for application preparation.
1-2-92 Search initiated.

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2020110135

PM 1658 (D741)

(Project Tomorrow) STRIP APPLICATION UNIT

Judy Ryder
R&D

Related: 1498, 1584, 1585

Glenn/F&N/O'Neill

11-14-91 Patent review meeting: file.
12-11-91 Disclosure to F&N for application preparation.
1-6-92 Novelty search instituted.

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PM 1659 (D864)

(Project 2500) METHOD OF PREPARATION OF COMPOSITIONS COMPRISING HYDROMAGNESITE AND/OR BRUCITE (AQUEOUS NON-SOL-GEL TREATMENT)

J. Fournier, A. Kallianos, J. Paine, K. Podraza, J. Seeman

Glenn/F&N/Morris

8-2-91 Disclosure to F&N for possible combining with other Project 2500 cases.
12-10-91 Inventors' comments sent to Morris; file simultaneously with PM 1494, 1397, and 1660.

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PM 1660 (D865)

(Project 2500) METHOD OF PREPARATION OF COMPOSITIONS COMPRISING HYDROMAGNESITE AND/OR BRUCITE (AQUEOUS SOL-GEL TREATMENT)

J. Fournier, A. Kallianos, J. Paine, K. Podraza, J. Seeman

Glenn/F&N/Morris

8-2-91 Disclosure to F&N for possible combining with other Project 2500 cases.
12-10-91 Inventors' comments sent to Morris; file simultaneously with PM 1494, 1397, and 1659.

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2020110136

PM 1661

METHOD FOR PRODUCING BLENDED CIGARETTE FILLER

Relates to the production of different blended cigarette fillers in a way that is more flexible with respect to changing from one blend to the other, and that improves the filling power of the resulting blended cigarette filler.

Glenn/F&N/Ingerman

12-16-91 Disclosure file opened--proceed with filing of application **AS SOON AS POSSIBLE** per Charles, Burnley and Lilly (no committee review).

1-10-92 1st draft received.

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PM 1662 (ACE 24)

(PROJECT ACE) TWO SEPARABLE CARTONS COMBINED AS A SINGLE UNIT

C. N. Chance, J. A. DeBlasio, S. A. Douglas, D. H. Evers, R. E. Talley

Schardt/F&N/Horowitz

1-6-91 Disclosure to F&N for application preparation.

1-8-92 Assigned to Horowitz--to be filed as CIP of PM 1590.

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PM 1663 (ACE 25)

(PROJECT ACE) TWO SEPARABLE CARTONS COMBINED AS A SINGLE UNIT

C. N. Chance, J. A. DeBlasio, S. A. Douglas, D. H. Evers, R. E. Talley

Schardt/F&N/Hersh

1-6-91 Disclosure to F&N for application preparation.

1-8-92 Assigned to Hersh.

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PM 1664 (ACE 26)

(PROJECT ACE) TWO SEPARATE CARTONS COMBINED AS A SINGLE UNIT

C. N. Chance, J. A. DeBlasio, S. A. Douglas, R. E. Talley

Schardt/F&N/Hersh

1-6-91 Disclosure to F&N for application preparation.

2020110137